

Power Distribution & Control



Part 2/5 Fuse material



ONLINE SHOPPING!

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INCL. AVAILABILITY INFORMATION



Ex stock

General Information

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- Over 12,000m² indoor storage space and an outdoor cable storage space of 2,500m²
- More than 15,000 items are stored ready for shipping
- Professional warehouse management by our top-trained staff



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GENERAL INFORMATION

- All **dimensioned drawings** are displayed within the confines of available space on the page and are only intended as a guide.
- All **circuit diagrams** are schematic wiring diagrams which are intended to allow better understanding of the function, and will need to be edited/added to during the course of project planning.
- All **images** represent samples of the product and are intended for information purposes only.

Unless otherwise stipulated, the current version of the General Terms of Delivery issued by The Association of the Austrian Electrical and Electronics Industries "FEEL" shall apply. You can find a copy of these at the end of this catalogue.

No liability for errors in text, type or images; we reserve the right to make changes to technical specifications of the product range.

The user information contained in this catalogue reflect the opinion of the company at the time of writing. The information contained in it was assembled on the basis of published norms, specialist industry presentations, specialist literature and in-house expertise. The content is for informational purposes only and has no validity in law.

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/// D0-fuse switch-disconnector ARROW S



/// D0-fuse switch-disconnector TYTAN R



/// D0-fuse base



/// D-fuse-bases



/// NH-fuse loadbreak-disconnectors size 00 (160A), for surface mounting, series ARROW BLUE



/// Fuse loadbreaker-disconnector 10x38mm



Fuse material

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■ D0-fuse switch-disconnector TYTAN I up to 16A



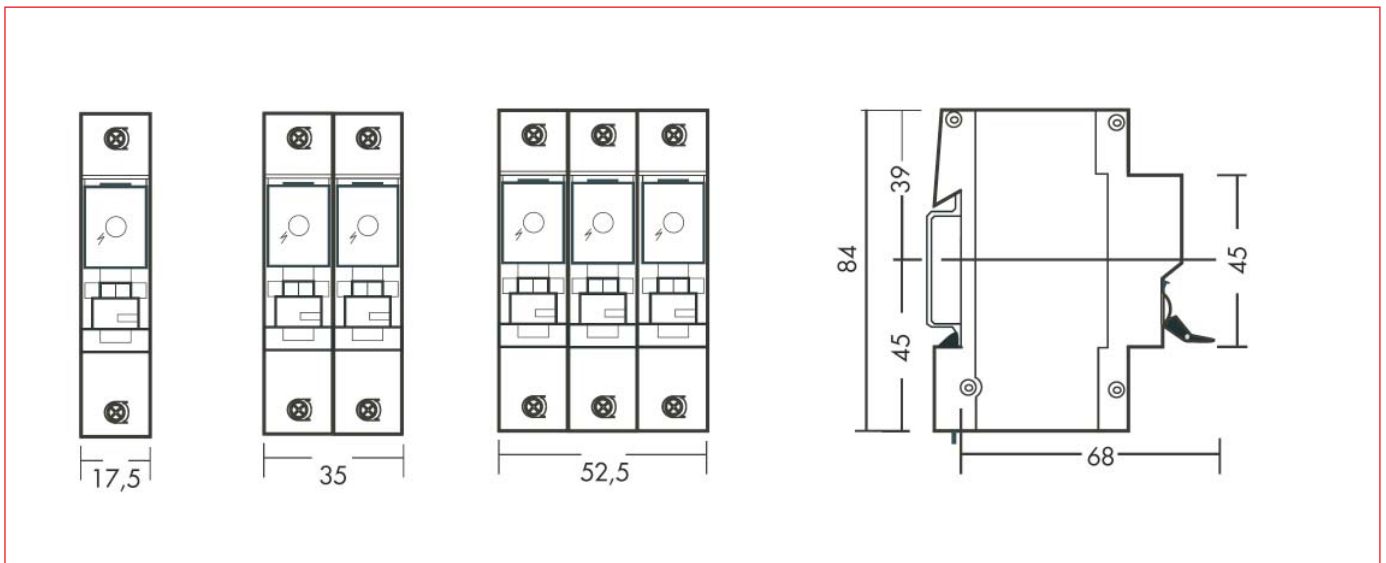
IS503001

■ Schrack-Info

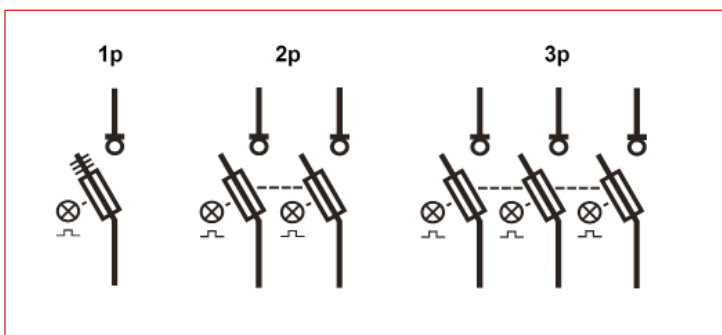
- Installation size: 17.5 mm width per pole
- Integrated flashing indicator
- Supply possible on both ends
- Contact position indicator
- D01 fuse-links from 2 to 16 A
- Breaking capacity 50 kA
- No gauge rings needed

Classification	Fuse-switch-disconnector
Standards	EN 60947, IEC 60947-3, IEC 60269-3, DIN VDE 0660 part 107, DIN VDE 0636 part 41, DIN VDE 0638, DIN VDE 43880
Poles	1-, 2- and 3-pole
Handling	plug in technique without screw cap
For fuses	D01, 2-16A (gG, gL, aM)
Coding	adjustable amperage coding in the switch
Ambient air temperature	-25°C/+60°C
Rated operation voltage U_n	400V-AC, 1-pole up to 110V-DC, 2-pole up to 220V-DC
Rated operation current I_n	16A
Rated constant current I_c	16A
Overvoltage category / Pollution degree	IV/3
Rated surge capacity U_{imp}	6kV
Rated short circuit making capacity I_{cm}	50kA _{eff}
Switching category	AC 22B
Terminals	Terminal cage
Terminal capacity	1,5-25mm ²
Torque	2,5Nm



■ Dimensions



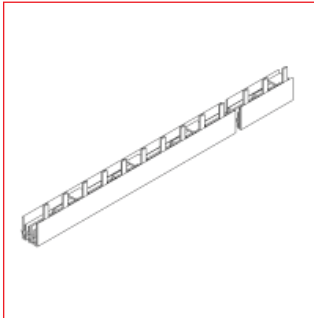
■ Wiring diagram



/// D0-fuse switch-disconnector TYTAN I up to 16A

DESCRIPTION	AVAILABLE	ORDER NO.
Tytan I / 1-pole		IS503001
Tytan I / 2-pole		IS503002
Tytan I / 3-pole		IS503003

/// Busbar for TYTAN I, MW = 16mm

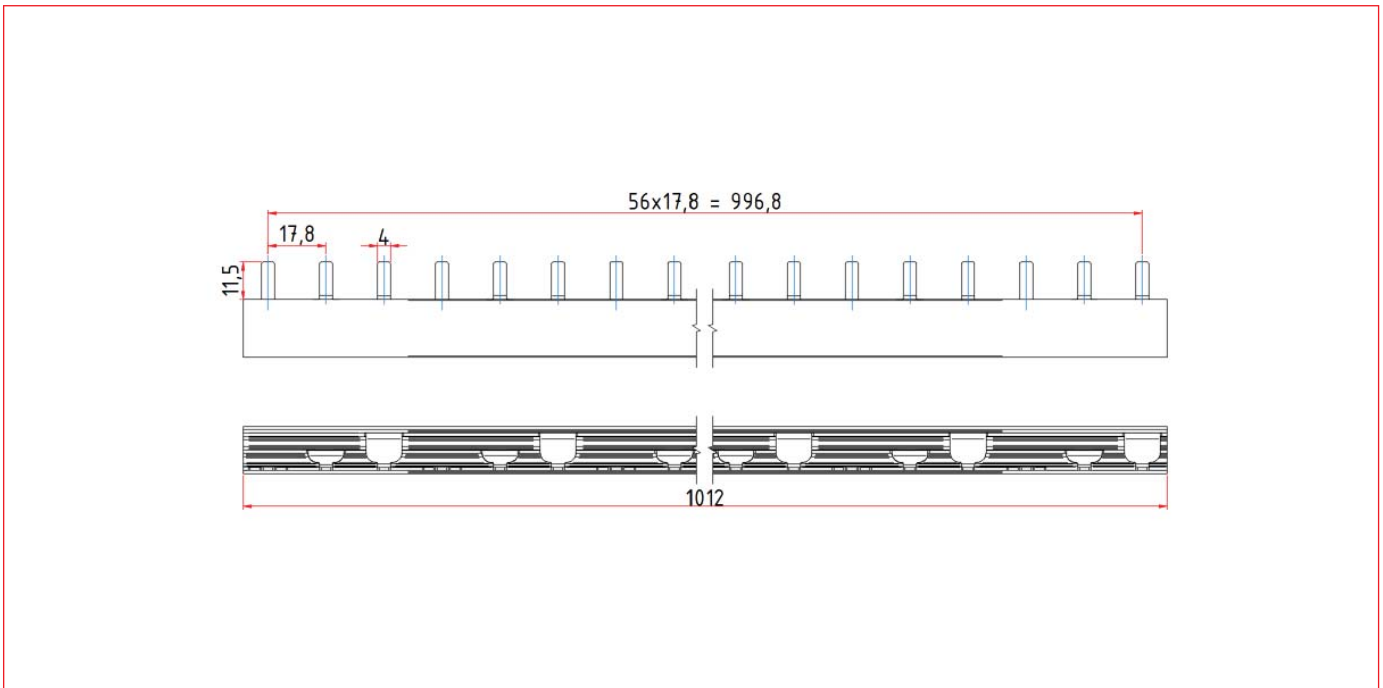




BS900120

/// Schrack-Info

- Pin busbar for wiring of devices with: box or series terminal, clamp-type terminal
- Pitch 17.8 mm
- 57 MW
- Phase sequence: L1, L2, L3, L1, L2, L3

/// BS900120 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Busbar Pin Version 3 pole, 57MW, 10mm ²		BS900120
Busbar end-cap 2/3-pole		BS900116

■ D0-fuse switch-disconnector ARROW S up to 63A



IS503763



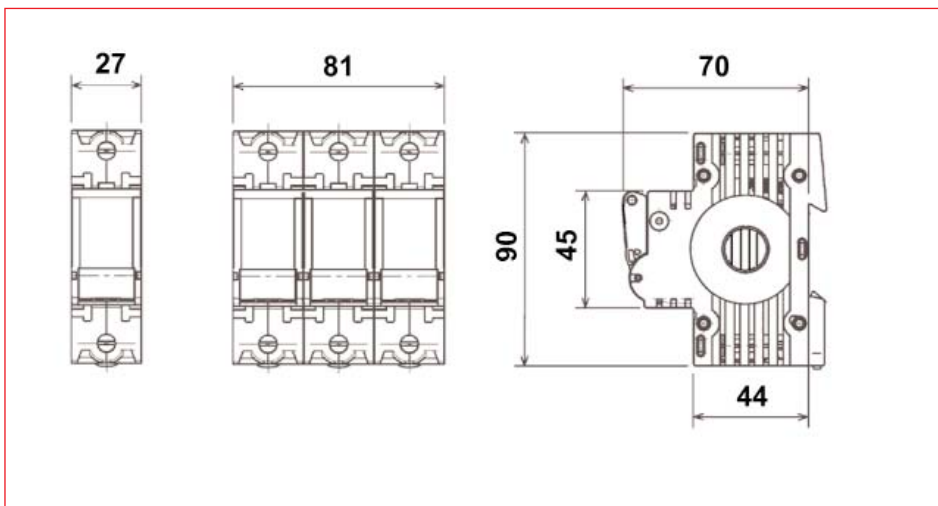
IS503701

■ Schrack-Info

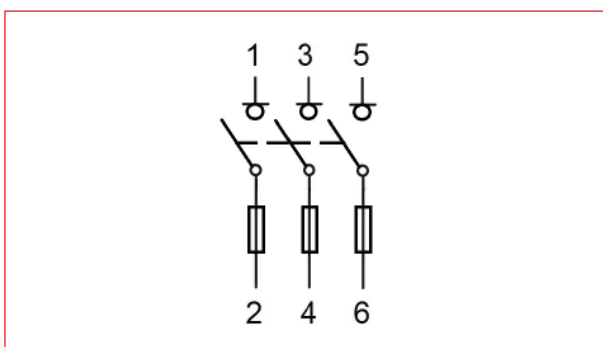
- Dual-function terminal
- Feeding possible from either direction
- Captive fuse carrier
- Lead-sealable
- VDE - certificate

Standards :	EN 60947-1:2007
Standard for fuse links	EN 60947-3:1999 + A1:2001 + A2:2005 to IEC / EN 60269-2-1(III)
Rated current:	63A
Poles:	1-pole and 3-pole
Rated voltage:	400V-AC
Rated frequency:	50-60Hz
Utilisation category:	AC-22B (400V) according to IEC 60947-3
Conditional rated short circuit current	50kA
Permitted power dissipation of gG/gL Fuse	up to 5,5W
Terminal:	dual-function box-terminal 1.5 - 35mm ² for simultaneous connection of 2 wires (35mm ² + 16mm ²) or comb-type busbar + wire flexible cables, directly or with wire-end ferrule
Connecting screws:	+/- (PZ2), galvanized, chromized
Torque	2,5 - 3Nm
Shock protected:	to specification BGV A3
Mounting:	clip-on mounting for DIN-rail
Weight	1-pole 140g / 3-pole 420g

■ Dimensions

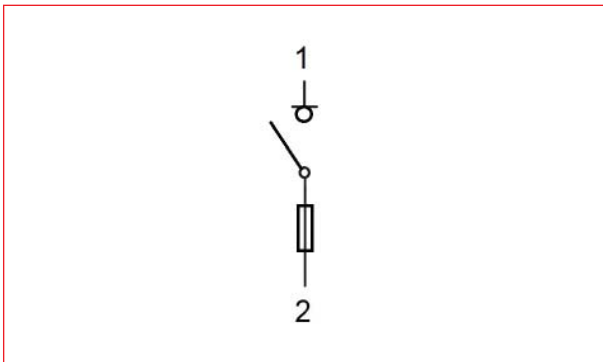


■ Wiring diagram , 3-pole-version



/// D0-fuse switch-disconnector ARROW S up to 63A

/// Wiring diagram , 1-pole-version

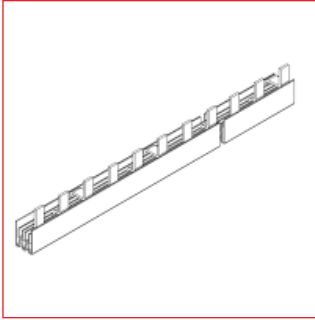


DESCRIPTION	AVAILABLE	ORDER NO.
Switch-disconnector D02, series ARROW S, 1-pole, 16A		IS503701
Switch-disconnector D02, series ARROW S, 1-pole, 25A		IS503703
Switch-disconnector D02, series ARROW S, 1-pole, 63A		IS503705
Switch-disconnector D02, series ARROW S, 3-pole, 10A		IS503710
Switch-disconnector D02, series ARROW S, 3-pole, 16A		IS503716
Switch-disconnector D02, series ARROW S, 3-pole, 20A		IS503720
Switch-disconnector D02, series ARROW S, 3-pole, 25A		IS503725
Switch-disconnector D02, series ARROW S, 3-pole, 35A		IS503735
Switch-disconnector D02, series ARROW S, 3-pole, 50A		IS503750
Switch-disconnector D02, series ARROW S, 3-pole, 63A		IS503763



Order no. blue: on stock, usually ready for delivery on the day of order

Busbar for ARROW S

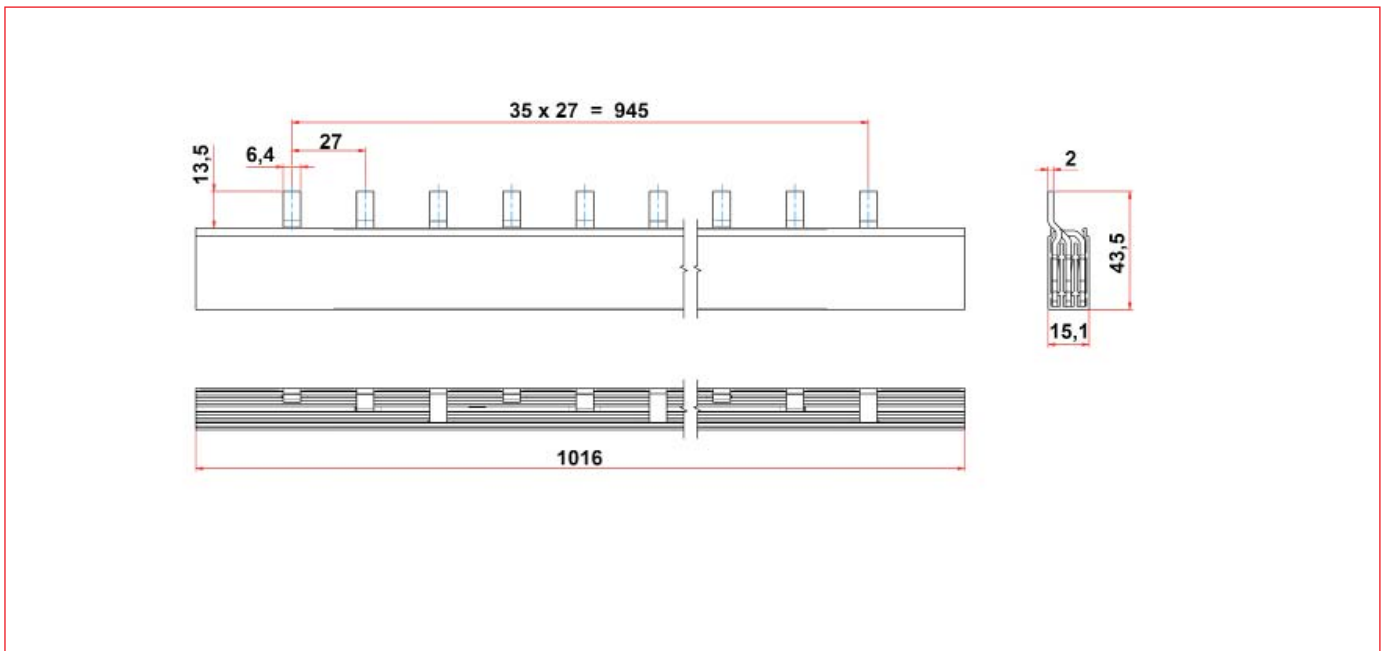


BS9001xx

Schrack-Info

- Pin busbars especially for D02-fuse-load-breaker series ARROW S
- Through the dual-function terminal it is possible to busbar and wiring in a terminal
- Pitch 27 mm
- 36 MW = 12 x 3-pole ARROW S

BS900147 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
ARROW S - Busbar Pin Version 35mm ² , TE=27mm, 3-pole, 1m		BS900147
End-cap for ARROW S - Busbar BS900147		BS900189

■ D0-fuse switch-disconnector-socket TYTAN II up to 63A



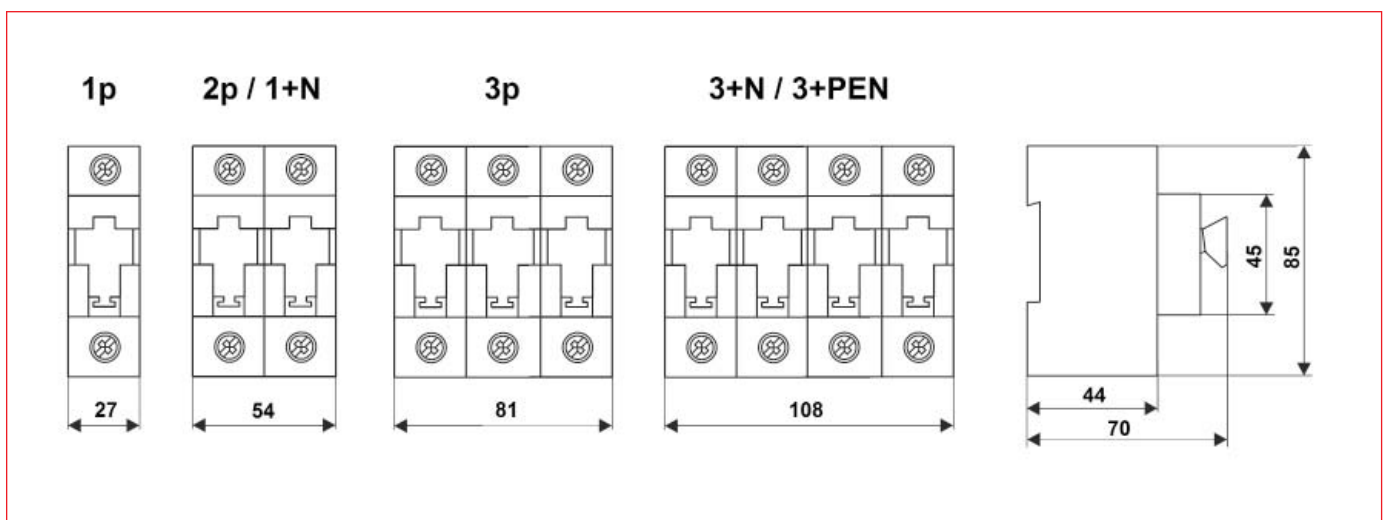
IS504702-A

■ Schrack-Info




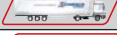
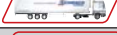
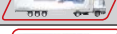



- Reliable with flashing indicator
- Plug-in style without screw cap
- Full coding through gauge-pieces for each current level
- For D0 fuse-links 2... 63 A
- Breaking capacity 50 kA
- Lockable, sealable, supply possible from both sides

Classification	Fuse-switch-disconnector
Standards	EN 60947, IEC 60947-3 / DIN VDE 0636 part 41, DIN VDE 0660 part 107, IEC 60269-3 / DIN VDE 0638, DIN VDE 43880
Poles	3-pole
Handling	Plug-in technique without screw caps
Suitable for fuses	D02, 2-63A
Ambient air temperature Storage min/max	- 25°C / + 100°C
Operation min/max	- 25°C / + 60°C
Insulating parts synthetic	material free of halogen, phosphorus and silicone
Fire class / creep resistance	UL94/V0, glow wire 960°C/CTI 600
Protection / contact-voltage protection	IP 20/finger and backhand protection
Rated operation voltage U_n	400 V-AC
Rated operation current I_n	63 A
Rated constant current I_{cc}	63 A
Oversvoltage category / Pollution degree	IV/3 (DIN VDE 0110)
Rated surge capacity U_{imp}	6000 V
Rated special voltage	400 V-AC
Rated short circuit making capacity I_{cm}	50kAeff
Switching category AC 22B	AC 22B
Connection technique	Stainless steel terminal cage without galvanic surface
Terminal - Branch terminal suitable for	a) 1 solid conductor, fine or multiple wires 1,5mm ² - 35mm ² b) above: terminal lugs of wiring bars under: fine wires with wire end ferrule 6 mm ² c) 2 solid conductor fine wires with wire end ferrule from each 2 x 1,5 mm ² - each 2 x 16 mm ²
Torque MD M6 Pozidriv	4Nm
Lockable	by customary padlock
Sealable	yes
Feed in both sides	in both sides

■ Dimensions



DO-fuse switch-disconnector-socket TYTAN II up to 63A

DESCRIPTION	AVAILABLE	ORDER NO.
1-pole		IS504700-A
2-pole		IS504701-A
3-pole		IS504702-A
3-pole, fixed adjust, 25 A		IS509325
3-pole, fixed adjust, 35 A		IS509335
3-pole, fixed adjust, 50 A		IS509350
1-pole + N		IS504703-A
3-pole + N		IS504704-A
3-pole with PEN-Klemme		IS504730













Fuse plug for TYTAN II



IS504716-A

Schrack-Info

- Plug-in principle, without screw cap, with touch-proof gauge-pieces, D0 fuse, complete (1 set = 3 pieces) in mounting box
- With flashing indicator
- Rated voltage 400 V AC
- Characteristic gG/gl

DESCRIPTION	AVAILABLE	ORDER NO.
2A, pink, D01		IS504710-A
4A, brown, D01		IS504711-A
6A, green, D01		IS504712-A
10A, red, D01		IS504713-A
16A, grey, D01		IS504714-A
20A, blue, D02		IS504715-A
25A, yellow, D02		IS504716-A
32A, purple, D02		IS504726
35A, black, D02		IS504717-A
40A, violet, D02		IS504740
50A, white, D02		IS504718-A
63A, copper, D02		IS504719-A


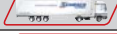

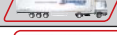


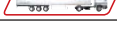
■ D0-fuse switch-disconnector TYTAN II complete up to 63A



IS5047PL25

■ Schrack-Info

- Plug-in style without screw cap
- Coding through gauge-pieces for the current level

DESCRIPTION	AVAILABLE	ORDER NO.
TYTAN II 3-pole, complete 20A, with Blinkmelder		IS5047PL20
TYTAN II 3-pole, complete 25A, without flashing indicator		IS5047PL25
TYTAN II 3-pole, complete 35A, without flashing indicator		IS5047PL35
TYTAN II 1-pole, fixed adjust, complete, 40 A, with flashing indicator		IS509340
TYTAN II 3-pole, complete 50A, without flashing indicator		IS5047PL50
TYTAN II 3-pole, complete 63A, without flashing indicator		IS5047PL63
TYTAN II 1-pole, fixed adjust, complete, 25 A, with flashing indicator		IS504729



Order no. blue: on stock, usually ready for delivery on the day of order

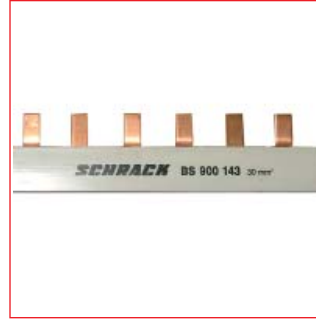
Accessories for TYTAN II



IS504722



IS504721

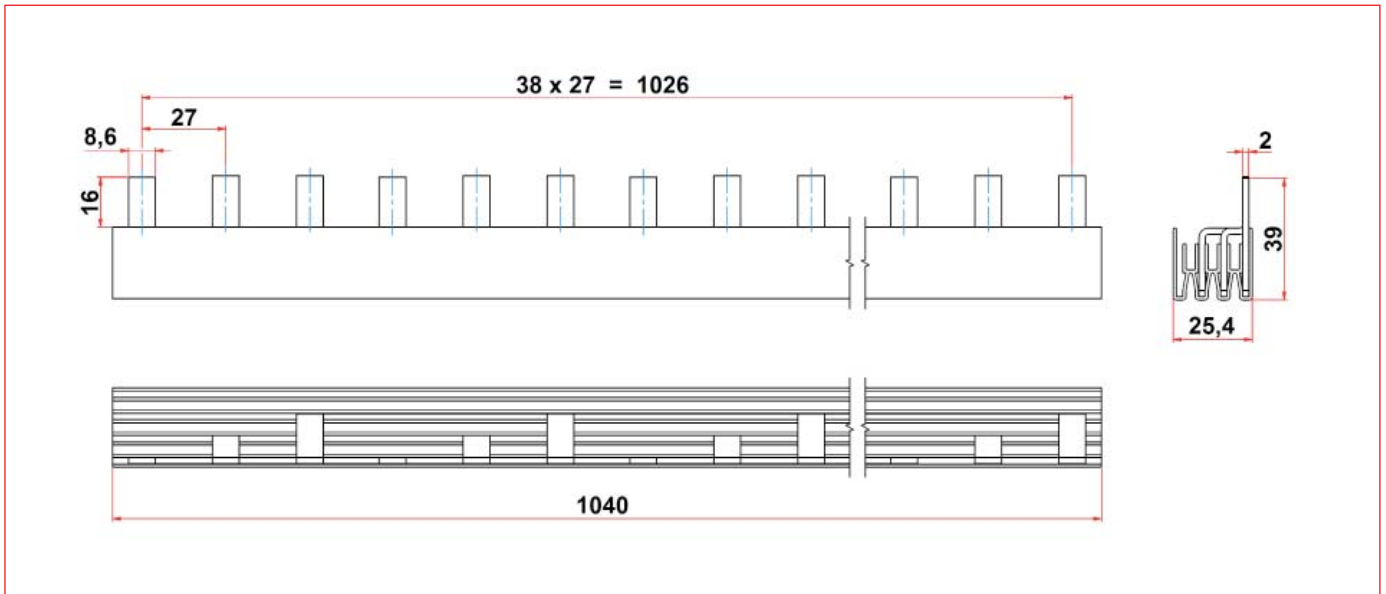


BS900143

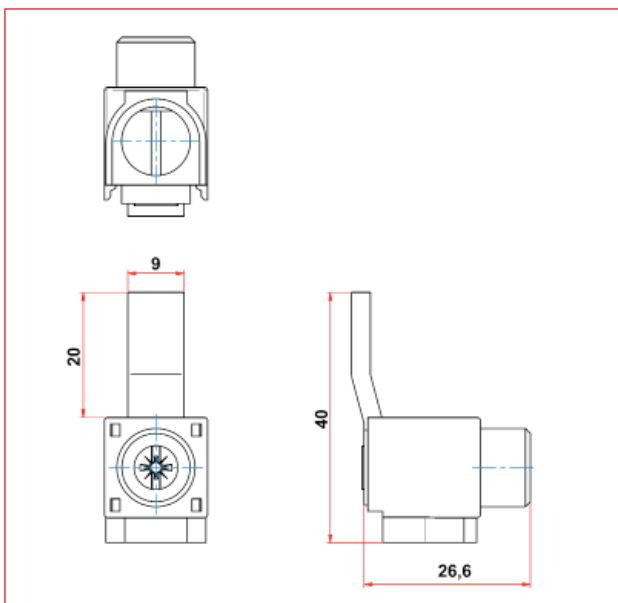
Schrack-Info

- Connection bridges
- Connection terminals
- 3- and 4-pole busbars









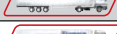


BS900143 Dimensions



BS900179 Dimensions



Accessories for TYTAN II

DESCRIPTION	AVAILABLE	ORDER NO.
Connection bridge for TYTAN II		IS504725
Empty box TYTAN 2300		IS504741
Locking part with plastic lock for TYTAN II		IS504721
Double terminal 3 x 2 x 35mm for TYTAN II and Coron		IS504722
TYTAN II - terminal 95mm ²		IS504724
Connection Terminal 50mm ² , Pin 20x9mm Straight		BS900179
Busbar Pin Version 1 pole, 16mm ² / MW=27mm für Neozed, 1 m		BS900133
Busbar Pin Version 3 pole, 16mm ² / MW=27mm für Neozed, 1 m		BS900134
Busbar end-cap 2/3-pole		BS900116
TYTAN Busbar Pin Version 30mm ² / MW=27mm, 3 pole, 1 m		BS900143
TYTAN Busbar Pin Version 30mm ² / MW=27mm, 4 pole, 1 m		BS900144
Busbar End Cap 3/4P 30mm ² , for BS900143 and BS900144		BS900187



DO-fuse switch-disconnector TYTAN T



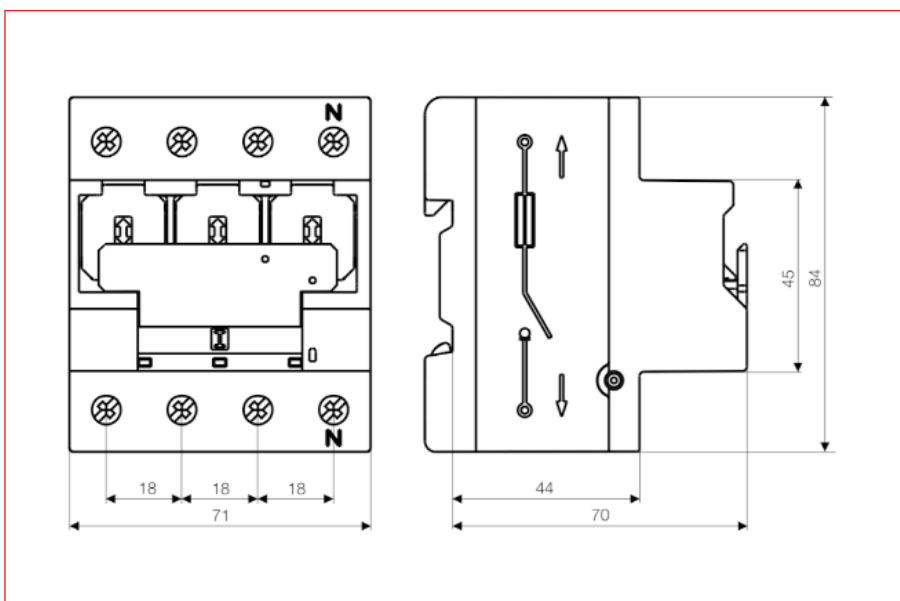
IS503030

Schrack-Info

- With optical indication: operation, power failure, left rotary field, flashing indicator for fuse-link blown, overtemperature
- Power monitoring and rotary field monitoring
- Thermal monitoring
- Fuse monitoring
- Independent manual operation
- Incl. Plug retaining spring for: D0 - fuse 2...63A and cylindrical fuses 1...63A
- D02 - gauge 2...50A
- Compact form, only 4 module wide

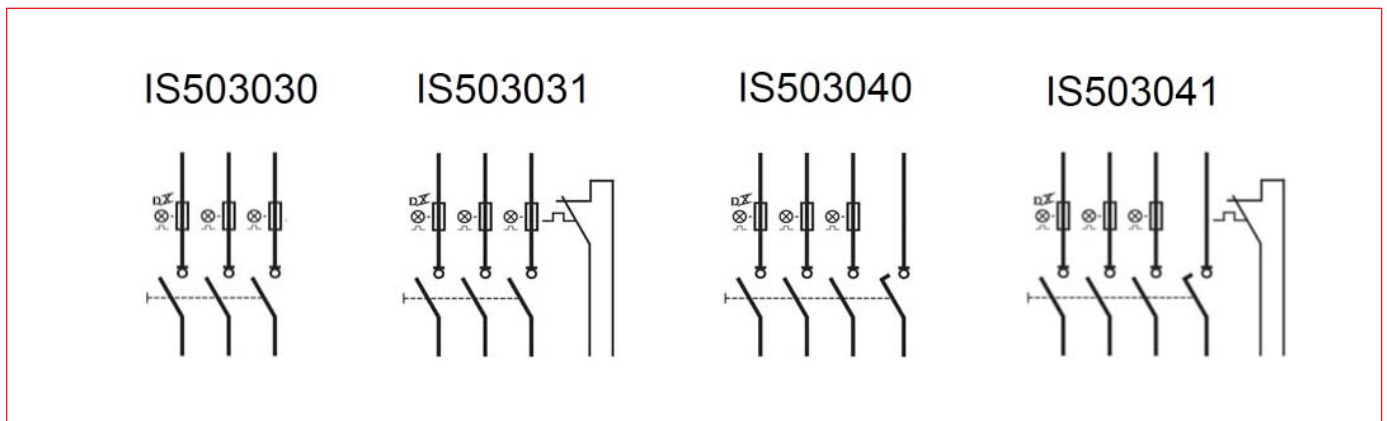
Classification	Switch-disconnector-fuse
Standards / regulation	DIN EN 60947-3, IEC 60947-3
Test-certificate	VDE
Suitable for D0-fuses IEC/EN 60269-3	D01: 2, 4, 6, 10, 13, 16A with plug-with decrease spring D02: 20, 25, 32, 35, 40, 50, 63A
Suitable for cylindrical fuses IEC/EN 60269-2	10x38 mm: 2 ... 32A with plug-with decrease spring
Suitable for gauge-pieces IEC/EN 60269-3	D02: 2, 4, 6, 10, 16, 20, 25, 35, 50 A
Poles	3-pole, 3-pole+N
Insulating parts / plastic	free of halogen, phosphorus and silicon
Flame class / comparative tracking index	UL94 - V0, glow wire test 960 °C / CTI 600
Degree of protection (Behind front plate with inserted plugs) / Contact voltage protection	IP20C /finger- and backhand safe
Ambient air temperature min/max	-25 °C / 40 °C (24h average ≤ 35 °C)
Ambient air temperature for storage min/max	-25 °C / 60 °C
Rated operational voltage (range)	U_n 400 V AC (+/- 10%)
Rated operational current	I_n 63 A
Rated uninterrupted current	I_u 63 A
Rated conditional short-circuit current	50 kA _{rms}
Power dissipation at I_n without fuse L1, L2, L3 / N	1,8 W / 1,1 W
Utilisation category	AC 22B
Overvoltage category	IV (IEC/EN 60664-1)
Pollution degree	3 (IEC/EN 60664-1)
Rated impulse withstand voltage	U_{imp} 6000 V
Power consumption electronic	3x176 mVA
Connection - low loss stainless steel cage terminal	1,5...25 mm ²
Torque	3 Nm
Monitoring relay	AC: 5 A / 250 V, cos phi 1, 85 °C
	AC-15: 0,75 A / 240 V; 1,5 A / 120 V
	DC-13: 1 A / 24 V
Female header push-in	0,2...2,5 mm ² / AWG 26 - AWG 12

Dimensions



■ D0-fuse switch-disconnector TYTAN T

■ Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
TYTAN T, 3-pole		IS503030
TYTAN T, 3-pole with remote control		IS503031
TYTAN T, 3 + N		IS503040
TYTAN T, 3 + N with aux. contact		IS503041
Adapter-ring D02 to D01		ISF90299
TYTAN T-busbar C-version 16mm ² / MW=18mm, 3 pole, 1m		BS900145
Busbar end-cap 2/3-pole		BS900116
C-Busbar 4-pole, L1/L2/L3/N, 56MW, 16mm ²		BS990122
Busbar end-cap 4-pole		BS900117



Order no. blue: on stock, usually ready for delivery on the day of order

■ D0-fuse switch-disconnector CORON 2



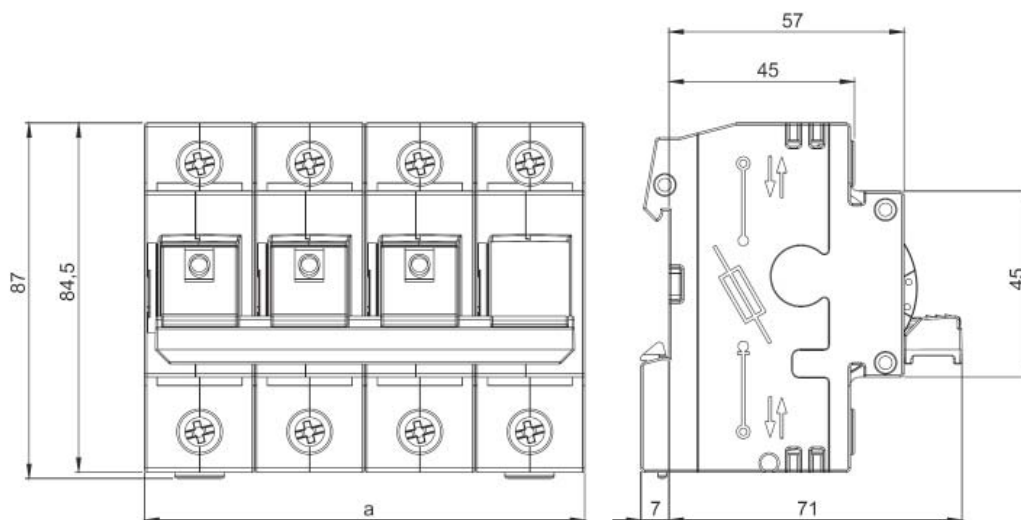
IS503103

■ Schrack-Info

- Fault signal reliable, by flashing indicator
- Lockable by customary padlock
- Easy to handle by plug-in design without screw cap
- Melt inserts and gauge-pieces in chapters D01 and D02 – fuse-links

Classification	Fuse-switch-disconnector
Standards	DIN VDE 0638, DIN VDE 0660, DIN VDE 60947
Poles	1-pole, 2-pole, 3-pole, 1-pole+N, 3-pole+N
Handling	Plug-in style without screw cap
Suitable for fuses gL, gG, aM	D01: 2, 4, 6, 10 and 16; D02: 20, 25, 35, 50 and 63
Ambient air temperature operation min/max	-25°C/+60°C
Insulating parts	synthetic material free of halogen, phosphorus and silicone
Protection / contact-voltage protection	IP 20/finger and backhand protection
Rated operation voltage U_e	400V-AC
Rated operation current I_e	63A
Rated constant current I_{cl}	63A
Switching category	AC 22B
Feed in both sides	in both sides
Overvoltage category / Pollution degree	IV/3 (DIN VDE 0110)
Rated surge capacity U_{imp}	6kV
Rated short circuit making capacity I_{cm}	50kA _{eff}
Connection technique	Stainless steel terminal cage without galvanic surface
Terminal capacity	solid conductor, fine or multiple wires 1,5mm ² ... 35mm ²
Torque	4Nm

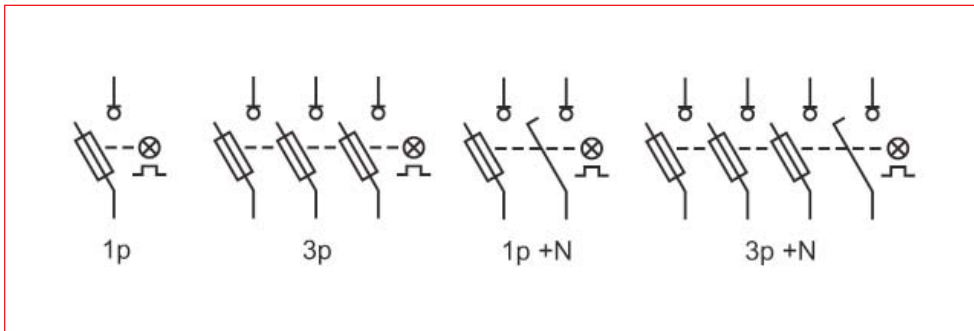
■ CORON - Dimensions



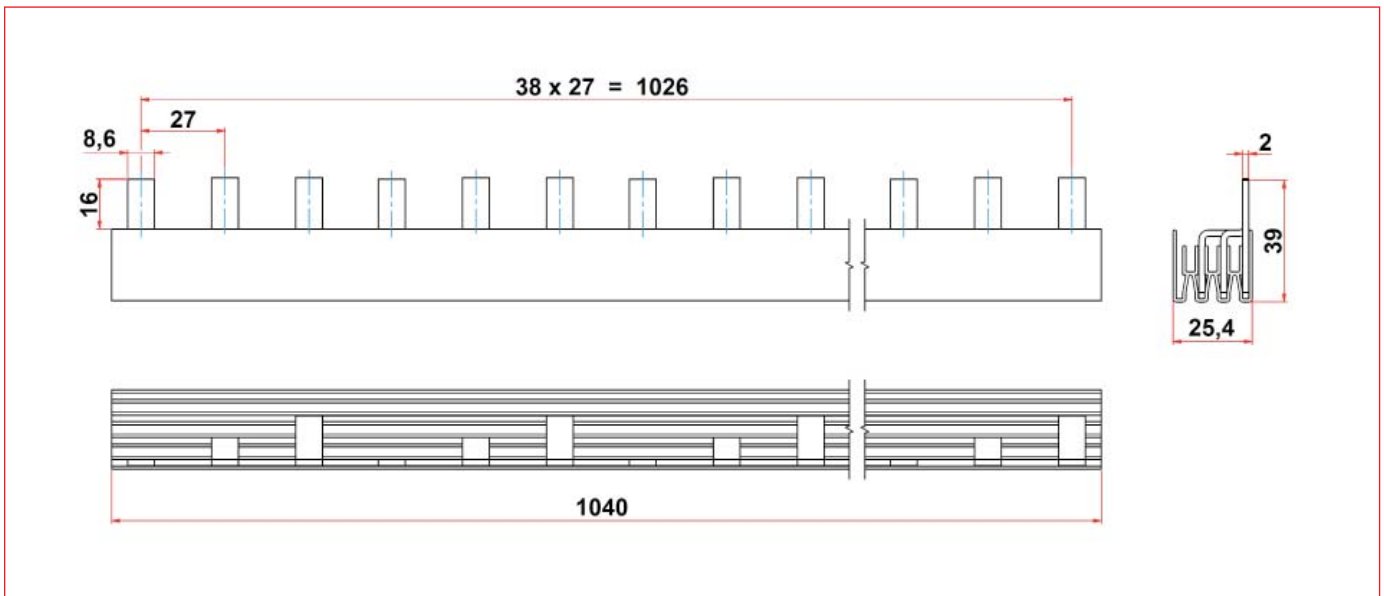
	a
1p	27 mm
1p+N	54 mm
3p	81 mm
3p+N	108 mm

/// D0-fuse switch-disconnector CORON 2

/// CORON - Wiring diagram

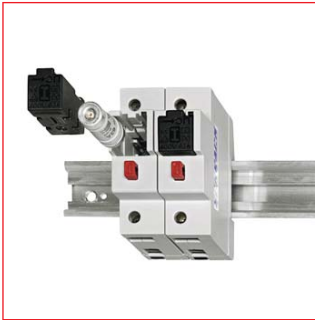


/// BS900143 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
1-pole		IS503101
1-pole+N		IS503106
3-pole		IS503103
3-pole, 20 A with adjusting sleeve		IS503320
3-pole, 25 A with adjusting sleeve		IS503325
3-pole, 35 A with adjusting sleeve		IS503335
3-pole+N		IS503108
Reduction for CORON 2 , D01 into D02		IS503105
Busbar Pin Version 3 pole, 16mm ² / MW=27mm für Neozed, 1m		BS900134
Busbar end-cap 2/3-pole		BS900116
TYTAN Busbar Pin Version 30mm ² / MW=27mm, 3 pole, 1m		BS900143
Busbar End Cap 3/4P 30mm ² , for BS900143 and BS900144		BS900187

■ D0-fuse switch-disconnector ARROW ON



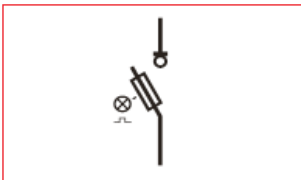
ISF53000

■ Schrack-Info

- Safe operation
- Switchable D02 fuse base, 1-pole up to 63 A
- No screw cap, but a connector secured against loosening
- Release via push button
- Coding by gauge-pieces in chapters D01 and D02 – fuse-links
- Supply on both sides
- Rail connection with Connect busbar
- Type ARROW ON / LED with flashing indicator
- Type 10 A sealable

Classification	Fuse-switch-disconnector
Standards	EN 60947-3: 1999 + A1: 2001, IEC 60947-3: 2001
Poles	single pole
Handling	plug-in technique without screw cap
Suitable for fuses gL, gG, aM	D01: 2, 4, 6, 10 and 16; D02: 20, 25, 35, 50 and 63
Ambient air temperature	-25°C/+60°C
Insulating parts	synthetic material free of halogen, phosphorus and silicone
Fire classification / creep resistance	UL94/V0, filament test 960°C/CTI 600
Protection / Contact voltage protection	IP 20/finger and backhand protection
Rated operation voltage U_n	400V AC
Rated operation current I_n	63A
Rated constant current I_c	63A
Overvoltage category / pollution degree	IV/3 (DIN VDE 0110)
Rated short circuit making capacity I_{cm}	50kA _{aff}
Switching category	AC 22B
Rated surge capacity U_{imp}	4kV
rated insulation voltage U_i	690V
feed in	both sides
Terminal capacity, solid wire	1,5 - 35mm ²
Torque	max. 4 Nm
Lockable	by customary padlock
Sealable	yes

■ Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
ARROW ON, D0-load fuse breaker 1-pole		ISF53000
ARROW ON, D0-Fuse Switch disconnector 10A fixed		ISF53010
Servicebox with 12 fuses D02 / 40A		ISF54040
Adapter-ring D02 to D01		ISF90299

■ D0-fuse switch-disconnector TYTAN T with fuse-monitoring



IS503038



IS504871

■ Schrack-Info

- D0 switch-disconnector with advanced electronic monitoring
- Construction: The TYTAN main protection consists of 1 ... 12 switch-disconnector TYTAN TH1 and one TYTAN HR12 main protective relay. The links of the main protection components are made with RJ10 connector wires quickly and easily.
- The 12 switch-disconnector can also be mixed TYTAN TH1 and RH1 TYTAN switches
- Monitored functions are output to potential-free relay contacts

■ Technical Data IS504871

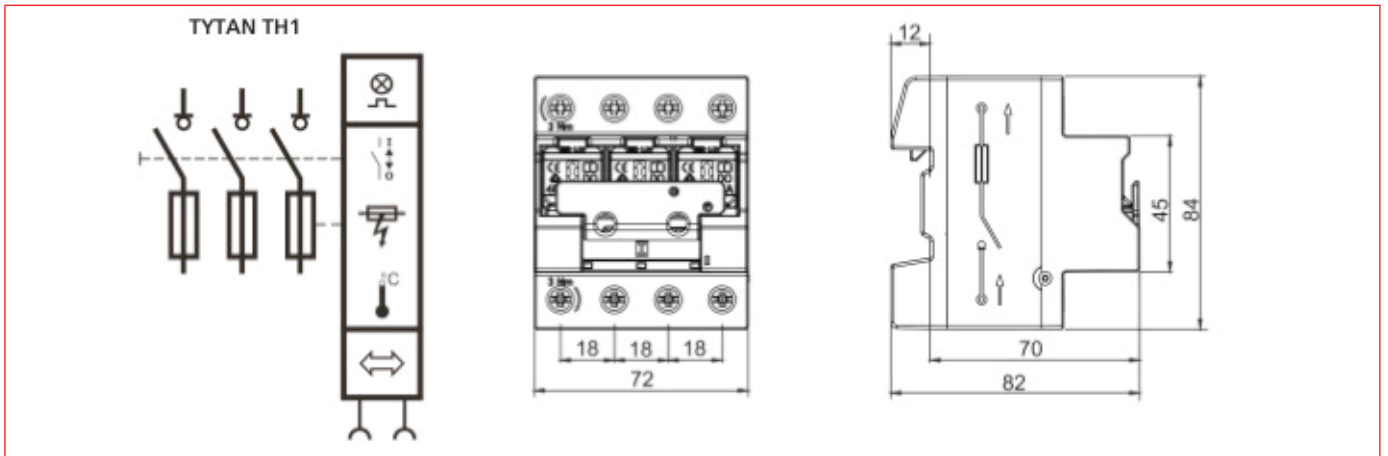
Standards	DIN EN 61000 (EMV), IEC/EN 61000-4-2, IEC/EN 61000-4-4, EN 60255	
Rated voltage	24 VDC	
Power loss per TYTAN TH1	Working 0,4 W / interference 1,25 W	
Power loss TYTAN HR12	0,96 W	
Relay-contact	fuse-monitoring, overheating-monitoring	
Rated/ -voltage/ -current	250 V / 5A _μ AC cos phi = 1	
	30 V / 5A DC	
	300 V / 0,25 DC	
Minimum operation / -voltage/ -current	100 mV / 10mA AC/DC	
Dielectric strength	coil-contact 4 kV _{eff}	
	NC-contact 1 kV _{eff}	
Rated impulse withstand voltage	4 kV	
Overvoltage category	III	
General		
Fire classification/ creep resistance	UL94/V0, glow wire test 960° / CTI 600	
Pollution degree	3	
Protection category device/front	IP20/IP40	
Temperature-range ambient / stock	-25 °C up to +60 °C / -40 °C up to +60 °C	
Connection	rigid	1x4mm ² /2x1,5 mm ²
	flexible	1x2,5mm ²
Torque M _b	0,5 Nm	

■ Technical data IS504870

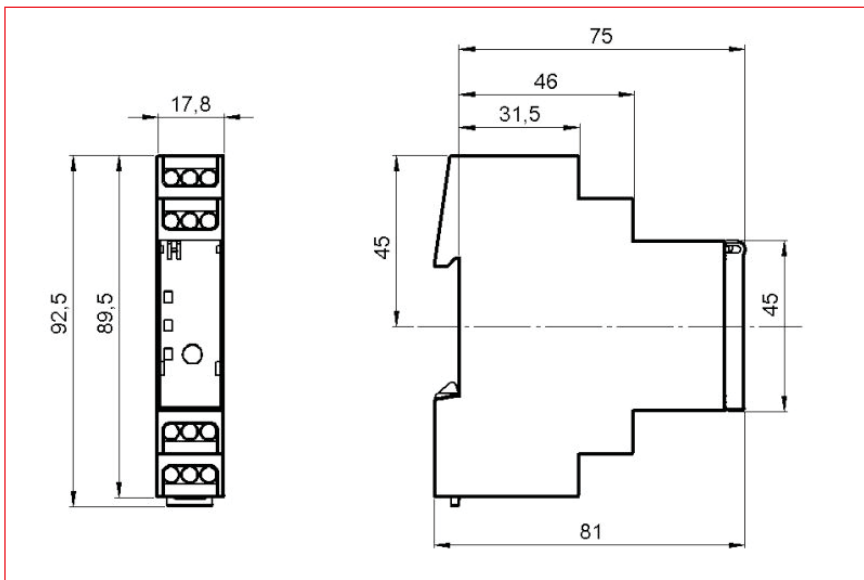
Standards	DIN EN 61000 (EMV), IEC/EN 61000-4-2, IEC/EN 61000-4-4, EIN 60255	
Rated voltage	24 VDC	
Power loss per TYTAN RH1	Working 0,4 W / interference 1,55 W	
Power loss Tytan HR11	1,15 W	
Relay-contacts	for fuse failure, overheated device, load-break switch ON/OFF switched	
Rated/ -voltage/ -current	250 V / 5 A _μ AC cos phi=1	
	30 V / 5 A DC	
	300 V / 0,25 A DC	
Minimum operation / -voltage/ -current	100 mV/10 mA AC/DC	
Dielectric strength	coil-contact 4 kV _{eff}	
	NC-contact 1 kV _{eff}	
Rated impulse withstand voltage	4 kV	
Overvoltage category	III	
General		
Fire classification/ creep resistance	UL94/V0, glow wire 960° / CTI 600	
Pollution degree	3	
Protection category device/front	IP20 / IP40	
Temperature-range ambient / stock	-25 °C up to +60 °C / -40 °C up to +60 °C	
Connection	rigid	1x4mm ² / 2x1,5mm ²
	flexible	1x2,5mm ²
Torque M _b	0,5Nm	

■ D0-fuse switch-disconnector TYTAN T with fuse-monitoring

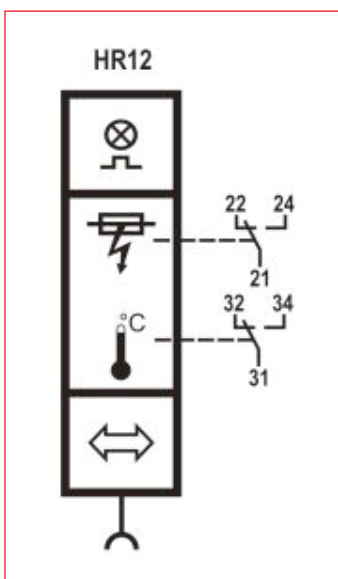
■ TYTAN T Dimensions



■ IS504870/IS504871 Dimensions

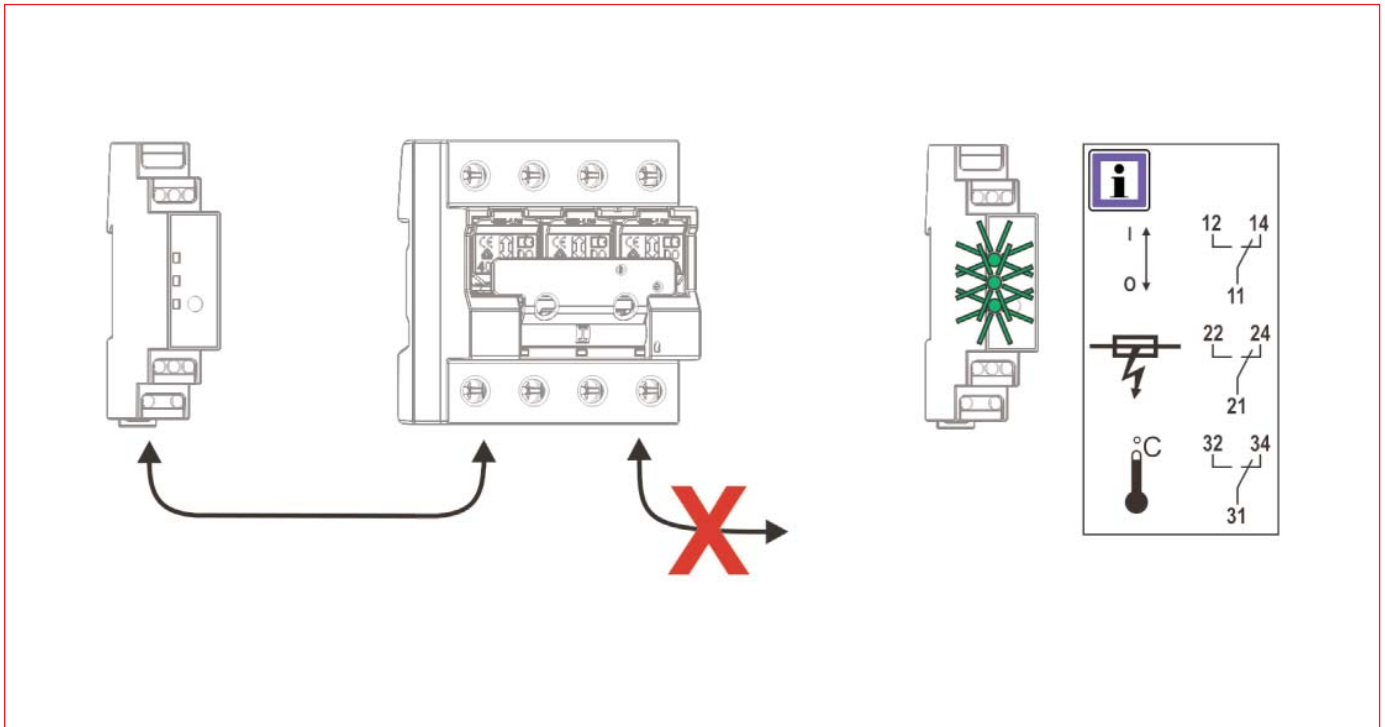


■ IS504871

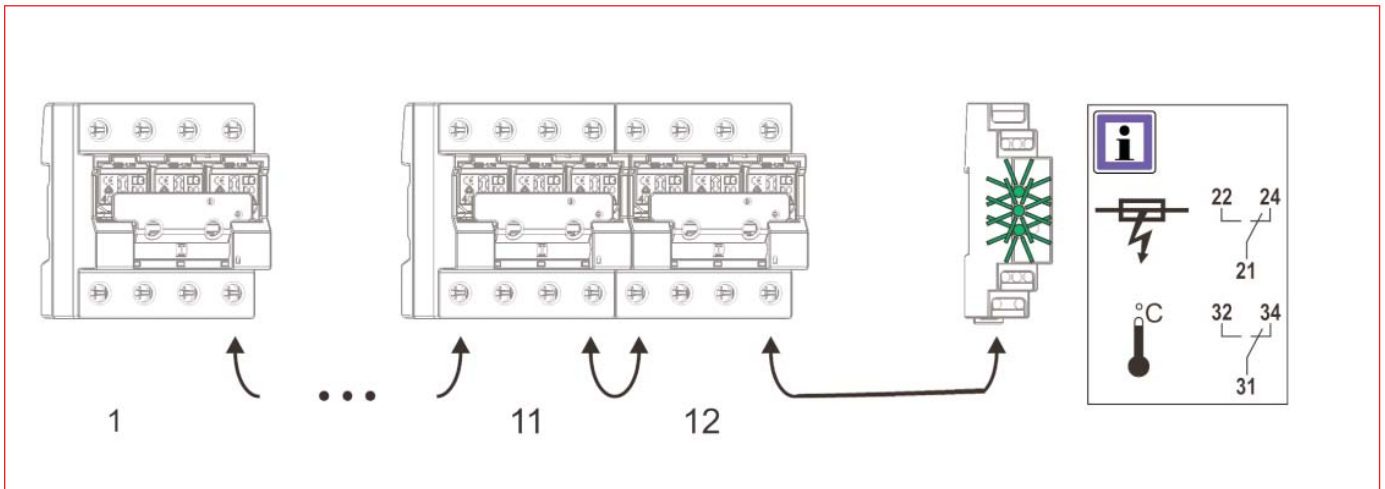


■ D0-fuse switch-disconnector TYTAN T with fuse-monitoring

■ IS504870



■ IS504871



DESCRIPTION	AVAILABLE	ORDER NO.
TYTAN TH1, 3-pole with monitoring		IS503038
TYTAN TH1, 3+N with monitoring		IS503039
TYTAN HR12-relays summary-module-monitoring 2 C/O 5A / 250 VAC		IS504871
TYTAN HR11-relays single-module-monitoring 2 C/O 5A / 250 VAC		IS504870
TYTAN HC-Patchcord RJ10 15 cm		IS504873
TYTAN HC-Patchcord RJ10, 100 cm		IS504877

DO-fuse switch-disconnector-socket TYTAN II with super short circuit protection



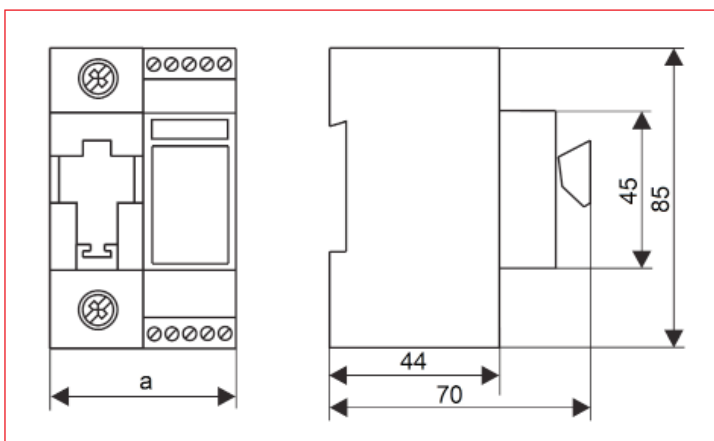
IS504705

Schrack-Info

- DO-fuse switch-disconnector with advanced fuse monitoring
- Principle: When the supply voltage U is applied, the green LED is lit and the two relays are activated – closed-circuit principle – monitoring is active. As a result of the short-circuit, the fuse insert switches off. The energy released during the short-circuit is destroyed efficiently within the fuse body. The contacts of the motor protection are thus protected from burn-off by arcs. If a fuse insert switches off, the electronic monitoring is activated by an optocoupler – the yellow LED flashes – both relays are deenergised.
- The double-relay system gives the user the possibility to use one relay in the control circuit and the other for remote data communication. The alarm signal is maintained even when manually switching the device. Readiness is reached only by replacing the fuse-link and pressing the 'reset' button.
- The short circuit may cause a dreaded two-phase operation. The lower the engine is run with its rated load, the slower react the bimetals of the motor and the longer lasts this fault condition. There is no rotation stability in this case! The main protection also closes this vulnerability and thus completes the engine protection!

Detection system:	LED green illuminate = operation availability LED yellow flashing = short circuit	
Auxiliary-contact:	2 CO, 5 A, 250 V	
Short circuit indicator:	1 CO, 5 A, 250 V	
Rated voltage:	Power supply:	90 V - 400 V AC 90 V - 250 V AC
	Relay - part:	24 V - 240 VAC/DC (closed circuit principle)

IS50470X Dimensions



Type	a
1p	54 mm
1+N	81 mm
2p	81 mm
3p	108 mm
3+N	135 mm

DESCRIPTION	AVAILABLE	ORDER NO.
3-pole		IS504707
1-pole + N		IS504708
2-pole		IS504706
1-pole		IS504705
3-pole + N		IS504709

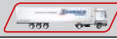

Accessories for D0-fuse-material



ISF90299

Schrack-Info

- Retaining spring
- Gauge-piece key

DESCRIPTION	AVAILABLE	ORDER NO.
Locking part with lock for TYTAN II		IS504720
Retaining spring for SI310060 D02		IS504140
Adapter-ring D02 to D01		ISF90299
Set Screw key, D01 - D03		IS504550



■ D0-fuse switch-disconnector for 60mm-system ARROW R



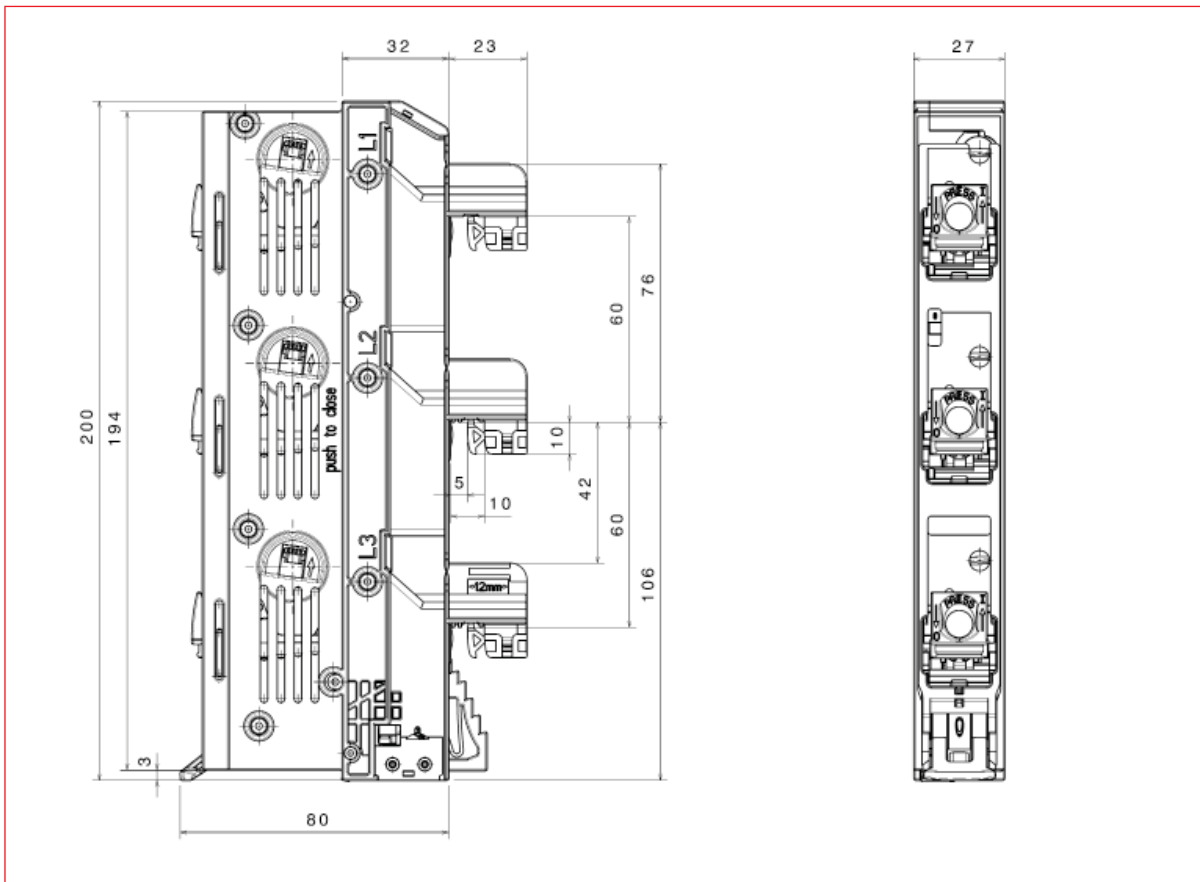
IS503863

■ Schrack-Info

- Bus-mounted fuse switch, for 3-pole busbar system for fuse links D0
- For fuses and gauge rings in according EN 60269-3
- For 60mm busbar-system

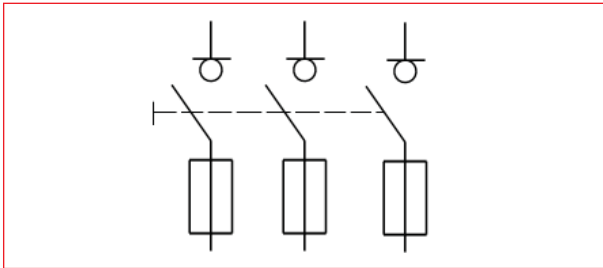
Fuse-size	D02 in according EN 60269-3
Rated current (IEC):	63 A
Poles:	3-pole
Rated voltage (IEC) AC:	400 V
Utilisation category AC (IEC 60947-3):	AC-22B (400V)
Rated isolation voltage U_i :	500 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 400V
Material properties body:	temperature stability 140°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 225, silicon-free, halogen-free
Material properties handle:	temperature stability 120°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 200
Terminal points	1,5 - 16 mm ² stranded and flexible without ferrule 1,5 - 10 mm ² flexible with ferrule 1,5 - 10 mm ² fixed

■ IS503863 Dimensions



/// D0-fuse switch-disconnector for 60mm-system ARROW R

/// IS503863 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
63A		IS503863
Side-mounted module (necessary from 35 A on)		IS503899

/// D0-fuse switch-disconnector for 60mm-system ARROW R with fixed gauge-rings



IS503825

/// Schrack-Info

- Fixed sleeve rings

DESCRIPTION	AVAILABLE	ORDER NO.
20A, complete		IS503820
25A, complete		IS503825
35A, complete		IS503835
50A, complete		IS503850
Side-mounted module (necessary from 35 A on)		IS503899



Order no. blue: on stock, usually ready for delivery on the day of order

■ D0-fuse switch-disconnector for 60mm-system TYTAN R



IS504851

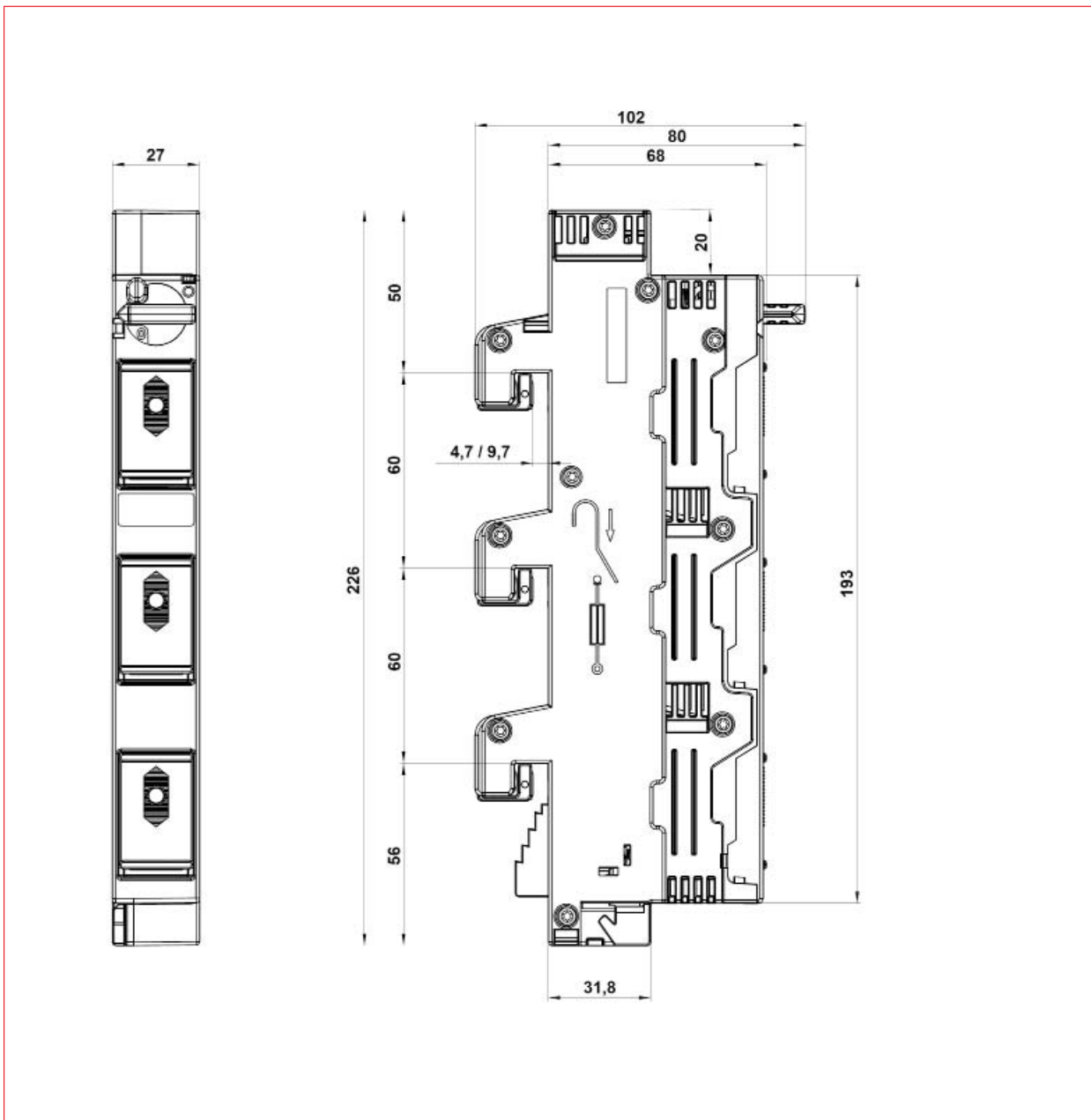
■ Schrack-Info

- Including D0 fuse-plug with flashing indicator
- Including plug retaining spring for D01 and cylindrical fuses 10x38 mm
- Removable fuse-plug reliable fuse-blown indication
- Securing against restarting sealable
- 27mm wide

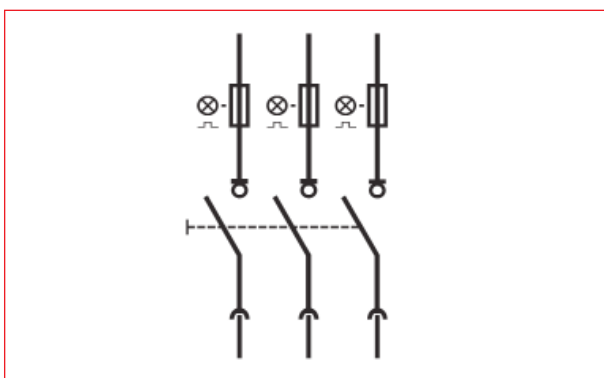
Classification	Switch disconnector fuse
Standards	EN 60947-3, IEC 947-3, DIN VDE 0638
Suitable for D0 fuses DIN 49522	D01, 2, 4, 6, 10, 13, 16 A with plug retaining spring D02: 20, 25, 32, 35, 40, 50, 63 A
Suitable for cylinder fuses IEC/EN 60269-1	10x38 mm: 2 ... 32 A with plug retaining spring
Suitable for gauge-pieces DIN 49523	DO2: 2, 4, 6, 10, 16, 20, 25, 35, 50 A
Number of poles	3-pole
Rated operational voltage U_e	D0: 400V-AC, 10 x 38 zyl. 500V-AC
Rated operational current I_n	63 A
Rated impulse withstand voltage U_{imp}	6000 V
Rated short circuit making capacity I_{cn}	50 kA _{off}
Utilisation category	AC 22B
Power loss	4,5 W
Overvoltage category	IV (DIN VDE 0110)
For busbar-system	60 mm - system
For busbar-type	12, 15, 20, 25, 30 mm wide, 5 or 10 mm thick
Insulating parts	Plastic, halogen-, phosphorus-, silicone-free
Fire classification /Leakage current resistance	UL94/V0, glow wire test 960 °C / CTI600
Degree of protection / touch protection	IP 20 / finger and hand touch safe
Ambient temperature min/max	- 25 °C / 60 °C
Degree of pollution	3 (DIN VDE 0110)
Connection style	Stainless steel cage terminal
Terminal capacity	1,5 - 35 mm ²
Torque M_p	4 Nm



/// D0-fuse switch-disconnector for 60mm-system TYTAN R

/// Dimensions



/// IS504851 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
63A, 3-pole		IS504851
63A, 3pole+N		IS504852


DO-fuse switch-disconnector for 60mm-system TYTAN R with fixed gauge-rings



IS504855

Schrack-Info

- Fixed sleeve rings

DESCRIPTION	AVAILABLE	ORDER NO.
20A, 3-pole		IS504853
25A, 3-pole		IS504854
35A, 3-pole		IS504855
50A, 3-pole		IS504856

Ammeter-plug in for TYTAN R



IS504879



IS504879



IS504879

Schrack-Info

- Ammeter at all three phases
- Data memory for monitoring (min, max und average of the last 24h)
- For subsequent assembly on TYTAN R
- For D0-fuses 2...63A
- For use in all three phases, the load of the phases can be continuously monitored.

Rated current I_n	63 A
Measurement range AC	0-75 A
Max. continuous current I_b	50 A
Rated voltage	400V AC
Power loss	$\leq 2,1$ mVA
Procedure AC	True RMS
Wave form	symmetric
Rated frequency f_n	50 Hz
Frequency range	47-65 Hz
Accuracy	$\pm 1\% \pm 1$ digit at I_n , at $25^\circ\text{C} \pm 1^\circ\text{C}$
Definition	100 mA (0.0...9.9 A), 1A (10...99 A)
Measurement rate	1 rating/ 1,4 s
Reference-temperature	$25^\circ\text{C} \pm 1^\circ\text{C}$
Insulating parts	Plastic, halogen-, phosphorus-, silicone-free
Fire classification	UL94/V0
Leakage current resistance	CTI 600

DESCRIPTION	AVAILABLE	ORDER NO.
Ammeter-plug in for TYTAN R, D02, 3-pole for 60mm-system		IS504879

■ D0-fuse switch-disconnector for 60mm-system TYTAN R with fuse-monitoring



IS504858



IS504871

■ Schrack-Info

- D0 Load break switch with modern electronic monitoring
- Monitored functions / Visualization
- Setup:

The TYTAN main protection consists of a load break switch TYTAN TH1 and a TYTAN HR11 main protection relay. The connections of the main protection components are produced easy and fast by RJ10 plug conductor.

■ Technical data IS504871

Standards	DIN EN 61000 (EMV), IEC/EN 61000-4-2, IEC/EN 61000-4-4, EN 60255	
Rated voltage	24 VDC	
Power loss per TYTAN RH1	Working 0,4 W / interference 1,25 W	
Power loss TYTAN HR12	0,96 W	
Relay-contacts	fuse-monitoring, overheating-monitoring	
Rated/ -voltage/ -current	250 V / 5 A _μ AC cos phi = 1 30 V / 5 A DC 300 V / 0,25 DC	
Minimum operation / -voltage/ -current	100 mV / 10mA AC/DC	
Dielectric strength	coil-contact 4 kV _{eff} NC-contact 1 kV _{eff}	
Rated impulse withstand voltage	4 kV	
Overvoltage category	III	
General		
Fire classification/ creep resistance	UL94/V0, glow wire test 960° / CTI 600	
Pollution degree	3	
Protection category device/front	IP20/ IP40	
Temperature-range ambient / stock	-25°C up to +60°C / -40°C up to +60°C	
Connection	rigid	1x4mm ² /2x1,5 mm ²
	flexible	1x2,5mm ²
Torque M _p	0,5 Nm	

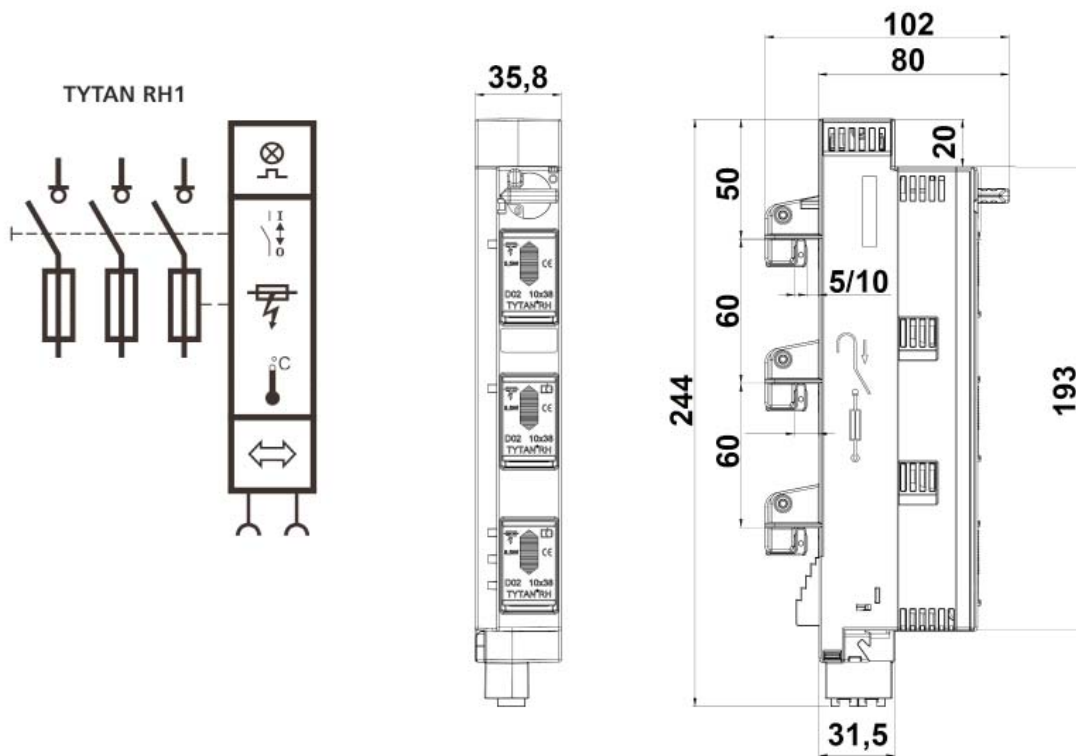
■ Technical data IS504870

Standards	DIN EN 61000 (EMV), IEC/EN 61000-4-2, IEC/EN 61000-4-4, EIN 60255	
Rated voltage	24 VDC	
Power loss per TYTAN RH1	Working 0,4 W / interference 1,55 W	
Power loss Tytan HR11	1,15 W	
Relay-contacts	for fuse failure, overheated device, load-break switch ON/OFF switched	
Rated/ -voltage/ -current	250 V / 5 A _μ AC cos phi = 1 30 V / 5 A DC 300 V / 0,25 A DC	
Minimum operation / -voltage/ -current	100 mV/10 mA AC/DC	
Dielectric strength	coil-contact 4 kV _{eff} NC-contact 1 kV _{eff}	
Rated impulse withstand voltage	4 kV	
Overvoltage category	III	
General		
Fire classification/ creep resistance	UL94/V0, glow wire 960° / CTI 600	
Pollution degree	3	
Protection category device/front	IP20 / IP40	
Temperature-range ambient / stock	-25°C up to +60°C / -40°C up to +60°C	
Connection	rigid	1x4mm ² / 2x1,5mm ²
	flexible	1x2,5mm ²
Torque M _p	0,5Nm	

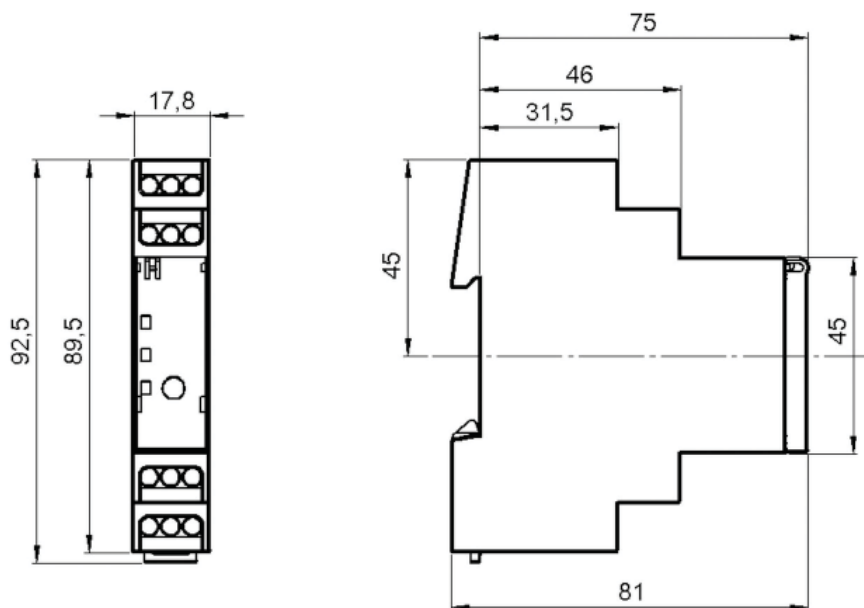
D0-fuse material series SCHRACK

■ D0-fuse switch-disconnector for 60mm-system TYTAN R with fuse-monitoring

■ IS504858 Dimensions



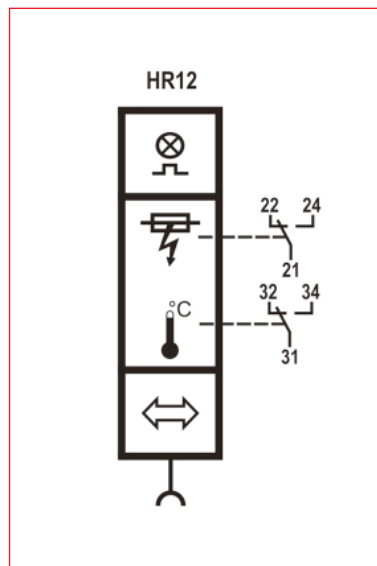
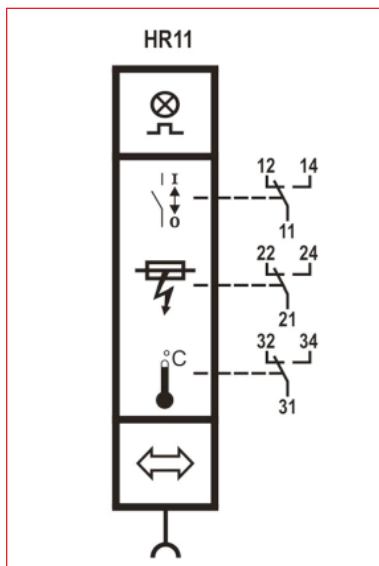
■ IS504870/IS504871 Dimensions



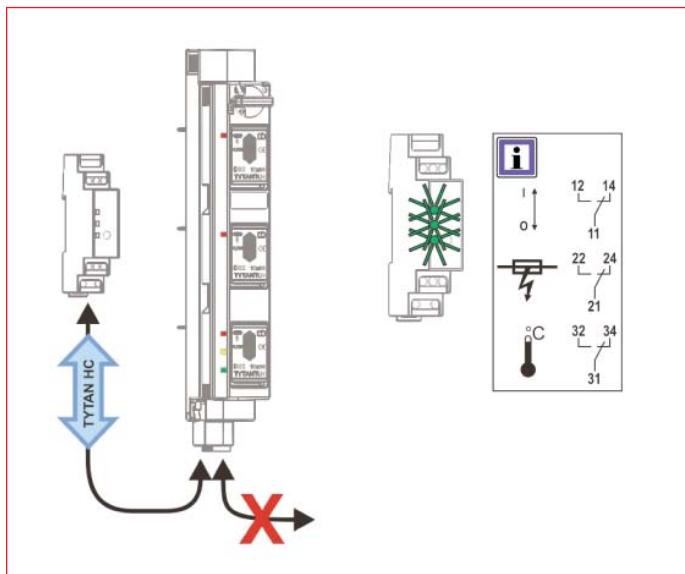
■ D0-fuse switch-disconnector for 60mm-system TYTAN R with fuse-monitoring

■ IS504870

■ IS504871

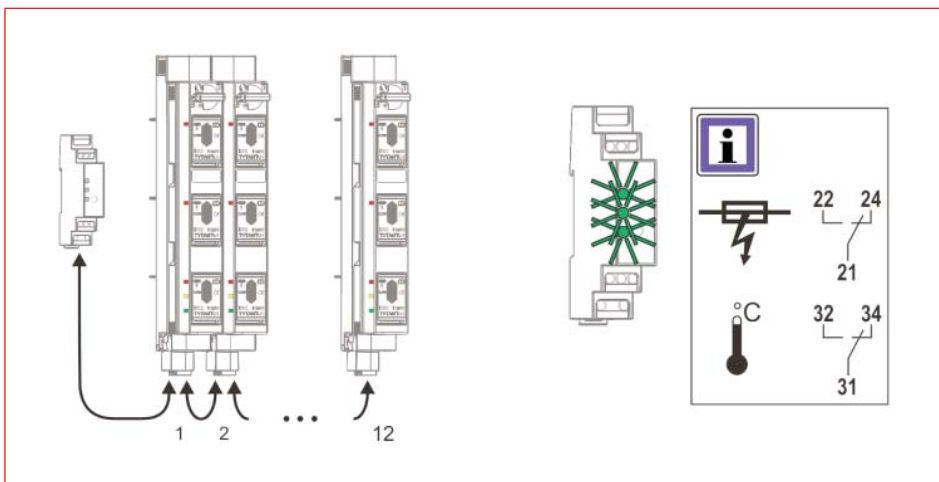


■ IS504870



■ D0-fuse switch-disconnector for 60mm-system TYTAN R with fuse-monitoring

■ IS504871



DESCRIPTION	AVAILABLE	ORDER NO.
TYTAN RH1-Load-Breaker D02 for 60mm-System with monitoring		IS504858
TYTAN HR12-relays summary-module-monitoring 2 C/O 5A / 250 VAC		IS504871
TYTAN HR11-relays single-module-monitoring 2 C/O 5A / 250 VAC		IS504870
TYTAN HC-Patchcord RJ10 15 cm		IS504873
TYTAN HC-Patchcord RJ10, 100 cm		IS504877
D02-Load-Breaker for 60mm-System 24-60VDC TYTAN RH1 with monitoring		IS504860

■ D0-fuse switch-disconnector for 60mm-system CORON R with fixed gauge-rings



IS503525

■ Schrack-Info

- Fixed sleeve rings

DESCRIPTION	AVAILABLE	ORDER NO.
D02, 3poles, 20A fixed		IS503520
D02, 3poles, 25A fixed		IS503525
D02, 3poles, 35A fixed		IS503535

/// D0-fuse switch-disconnector for 60mm-system CORON R



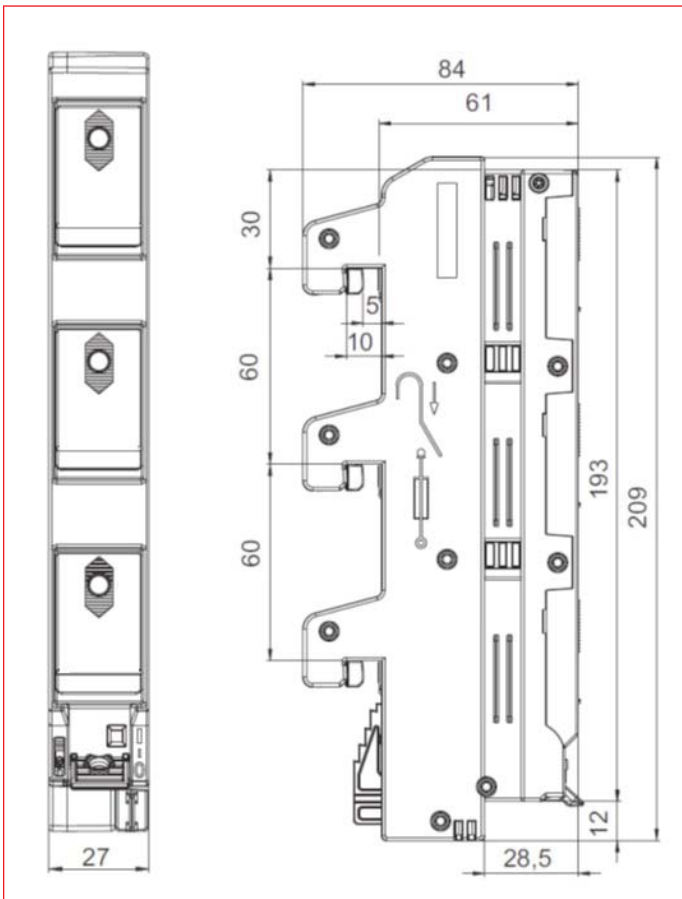
IS503563

/// Schrack-Info

- Flashing indicator
- Compact dimensions
- Plastic free of halogens
- Output top side

Rated voltage U_n	400V-AC
Rated current I_n	63A
Rated short circuit making capacity I_{CM}	50kA _{eff}
Connection style	Stainless steel cage terminal
Terminal capacity	1,5-25 mm ²
Turning Moment	3Nm

/// Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
D02, 3poles, 63A		IS503563

■ D02 busbar fuse base series SCHRACK, for 60mm-system



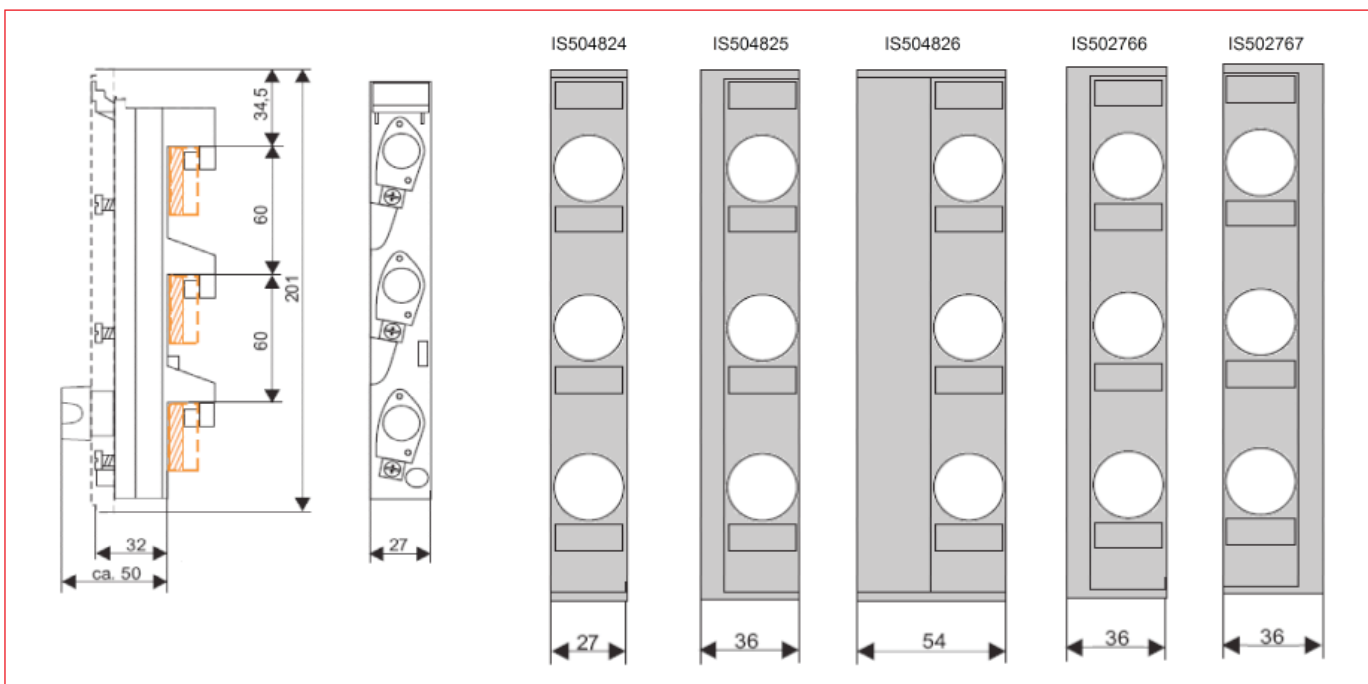
IS504823

■ Schrack-Info

- Integral labelling field, loss-free stainless steel clamp
- Temperature resistance: +200 °C, 960 °C glow wire

Size of fuse	D02
Poles	3-pole
D0-fuse links	2 - 63 A
D02 gauge	acc. DIN 49523
Creep resistance	CTI600
Fire class	UL94-V0
Rated operation voltage U_n	400V AC / 250V DC
Rated short circuit making capacity I_{cm}	50 kA
Busbar-system	60 mm
Busbar-size	12, 15, 20, 25, 30 mm
Busbar-thickness	5, 10 mm
Terminal	V2A
Terminal capacity	1,5 - 25mm ²
Torque	3-4 Nm

■ Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
D02-fusebase for 60mm busbar-system E18 without cover		IS504823
Cover for D02-fusebase E18, 3-pole		IS504824
Cover for D02-fusebase E18, 36mm with distancepart, 3-pole		IS504825
Cover for D02-fusebase E18, 54mm with distancepart, 3-pole		IS504826
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060

D0-fuse switch-disconnector series Wöhner up to 63A



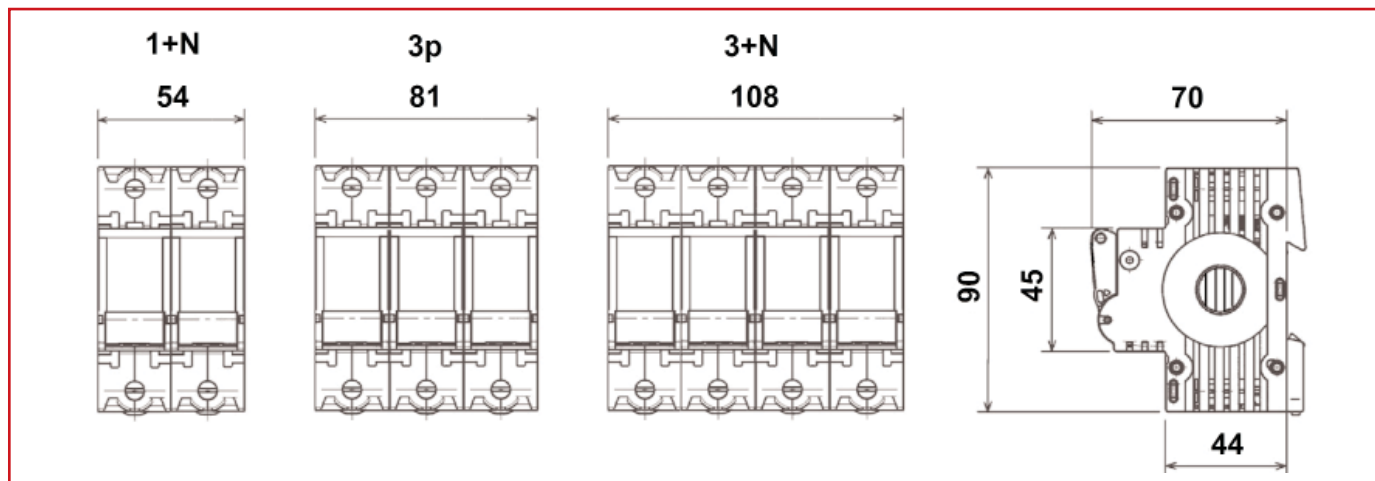
SI313080

Schrack-Info

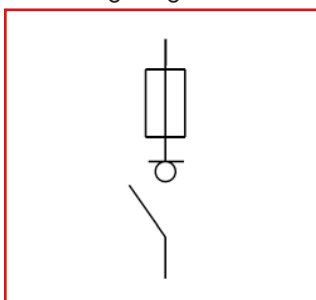
- Dual-function terminal
- Feeding possible from either direction
- Captive fuse carrier
- VDE – certificate

Standards :	EN 60947-1:2007
Standard for fuse links	EN 60947-3:1999 + A1:2001 + A2:2005 to IEC / EN 60269-2-1(III)
Rated current:	63A
Poles:	1-pole, 1+N, 3-pole and 3+N
Rated voltage:	400V-AC
Rated frequency:	50-60Hz
Utilisation category:	AC-22B (400V) according to IEC 60947-3
Conditional rated short circuit current	50kA
Permitted power dissipation of gG/gL Fuse	up to 5,5W
Terminal:	dual-function box-terminal 1.5 - 35mm ² for simultaneous connection of 2 wires (35mm ² + 16mm ²) or comb-type busbar + wire flexible cables, directly or with wire-end ferrule
Connecting screws:	+/- (PZ2), galvanized, chromized
Torque	2,5 - 3Nm
Shock protected:	to specification BGV A3
Mounting:	clip-on mounting for DIN-rail
Weight	1-pole 140g / 3-pole 420g

Dimensions



Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
63A, 1-pole+N		SI313080
63A, 3-pole		SI313140
63A, 3-pole + N		SI313150

D0-fuse base series Wöhner up to 63A



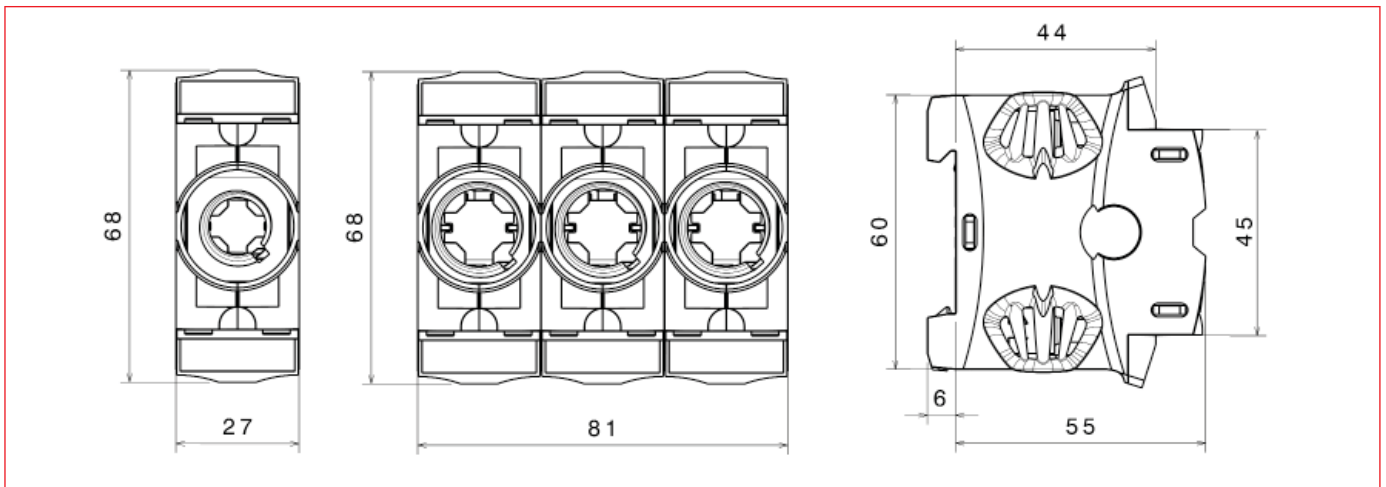
SI313060

Schrack-Info

- Size D01 and D02
- 1- or 3-pole
- Including cover
- Two-sided dual-function terminals
- 27 mm = 1 MW

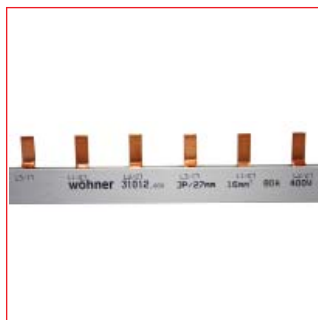
Size	D01	D02
Standards	IEC 60269-3 / VDE 0636-3	
Poles	1/3-pole	
Type of current	AC (50 Hz) / DC	
Rated voltage	400 V AC / 250 V DC	
Rated current	16A	63A
Conditional rated short circuit current	50 kA (AC) / 8kA DC	
Rated impulse withstand voltage Uimp:	6kV	
D0-fuses	acc. IEC 60269-3	
D0-gauge rings	acc. IEC 60269-3	
For fuses with power dissipation per phase up to	2,5W	5,5W
Terminals	Dual-function terminal (max. 35mm ² + 16mm ²)	
Terminal capacity	Cu 1.5 - 35mm ² flexible	
	Cu 1.5 - 35mm ² flexible with ferrule	
	Cu 1.5 - 10mm ² solid	
Torque	2,5-3Nm	

Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
D01, E14, 1-pole, 16A		SI313010
D01, E14, 3-pole, 16A		SI313020
D02, E18, 1-pole, 63A		SI313030
D02, E18, 3-pole, 63A		SI313060
D01 screw cap E 14, 16 A, plastic 400 V, plastics material		SI310050
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060

Busbar MW 27mm for D0-fuse base series Wöhner



SI310120

Schrack-Info

- Pin busbars especially for D01- and D02-fusebases series Wöhner
- Through the dual-function terminal it is possible to busbar and wiring in a terminal
- Pitch 27 mm
- 36 MW = 12 x 3-pole fusebases

DESCRIPTION	AVAILABLE	ORDER NO.
Comb type busbar, 3-pole, bridge type 80A, pitch 27mm, 1m long		SI310120
End cap for 3-pole comb type busbars 16 mm² for SI310120		SI310270
Comb bar, 3-pole, bridge type 130 A, pitch 27 mm, 1 m long		SI310560
End cap for 3-pole comb type busbars 35 mm² for SI310560		SI310840

D0-fuse base in according to BGV A3 (VBG 4)/TRITON up to 63A



SI312910

Schrack-Info

- Touch protected fuse base in size D01 and D02
- 1- or 3-pole
- Big terminal-capacity up to 35mm²
- 27 mm = 1 MW

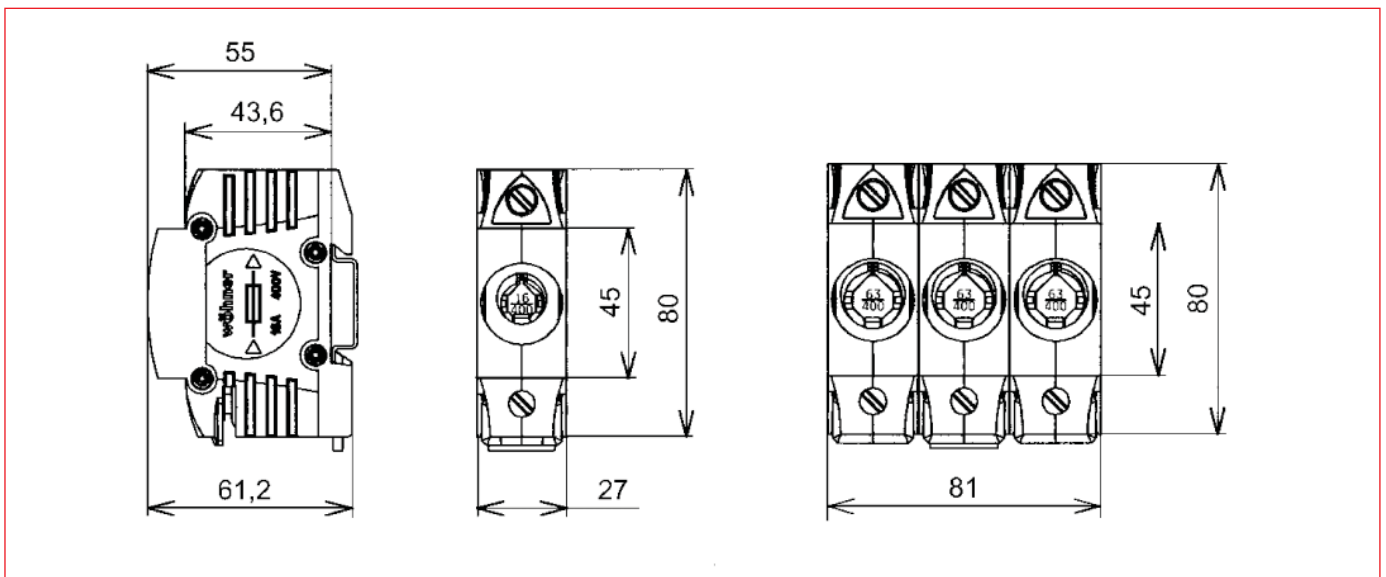
Size	D01	D02
Finger and hand touch safe:	acc. to BGV A3	
Standards	IEC 60269-3 / VDE 0636-3	
Poles	1/3-pole	
Type of current	AC (50 Hz) / DC	
Rated voltage	400 V AC / 250 V DC	
Rated current	16A	63A
Conditional rated short circuit current	50 kA (AC) / 8kA DC	
Rated impulse withstand voltage Uimp:	6kV	
D0-fuses	acc. IEC 60269-3	
D0-gauge rings	acc. IEC 60269-3	
For fuses with power dissipation per phase up to	2,5W	5,5W
Terminals	Box-terminal	
Terminal capacity	Cu 1.5 - 35mm² flexible	
	Cu 1.5 - 35mm² flexible with ferrule	
	Cu 1.5 - 10mm² solid	
Torque	4Nm	



Order no. blue: on stock, usually ready for delivery on the day of order

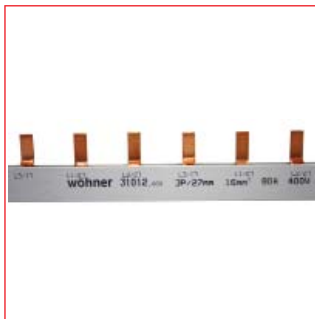
■ D0-fuse base in according to BGV A3 (VBG 4)/TRITON up to 63A

■ Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
D01/1-polig/BGV A2 (VBG 4)/16 A		SI312860
D02/1-polig/BGV A2 (VBG 4)/63 A		SI312910
D02/3-pole/BGV A2 (VBG 4)/63 A		SI312930
D01 screw cap E 14, 16 A, plastic 400 V, plastics material		SI310050
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060

■ Busbar MW 27mm for TRITON



SI310120

■ Schrack-Info

- Pin busbars especially for D01 - and D02-fusebases series Wöhner
- Through the dual-function terminal it is possible to busbar and wiring in a terminal
- Pitch 27 mm
- 36 MW = 12 x 3-pole fuse-bases

DESCRIPTION	AVAILABLE	ORDER NO.
Comb type busbar, 3-pole, bridge type 80A, pitch 27mm, 1 m long		SI310120
End cap for 3-pole comb type busbars 16 mm ² for SI310120		SI310270
Comb bar, 3-pole, bridge type 130 A, pitch 27 mm, 1 m long		SI310560
End cap for 3-pole comb type busbars 35 mm ² for SI310560		SI310840

D0-fuse switch-disconnector for 60mm-system Secur Powerliner



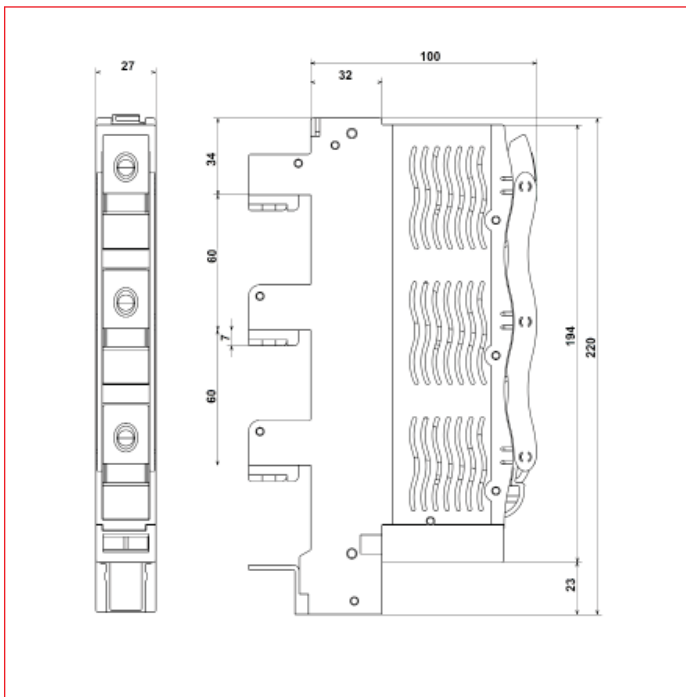
SI311580

Schrack-Info

- Simple wiring because the connection is outside of the busbar-system on the bottom of D02- bus-mounted fuse switch
- With reducer insert (article no. SI319020) and adapter sleeves, also suitable for D01 fuse links.
- Under permanent load above 35A, the use of side-mounted module (article no. SI319010) is recommended.

Type	D02-fuse-load-breaker for busbar-system
Approved with fuse links of characteristics	gG
Standards	IEC 60947-1, IEC 60947-3, VDE 0638/09.81
Rated current (IEC)	63A
Busbar-system	60mm
Busbar type	5 mm or 10mm
Busbar high	12, 15, 20, 25 or 30mm
Rated voltage (IEC)	400V-AC
Rated voltage (IEC)	110V-DC
Category of use AC (IEC 60947-3)	AC-23A (400 V)
Category of use DC (IEC 60947-3)	DC-21B (48 V) 1-pole, DC-21B (110V) 2-pole
Power dissipation:	10,5W (6,7W at 80%, typical load)
Rated isolation voltage U_i	500V-AC
Rated surge voltage U_{imp}	6kV
Max. permitted voltage (IEC)	800V-AC
Max. permitted voltage (IEC)	110V-DC
Cond. rated short-circuit current with fuses	50kA / 400V-AC
Terminals	Frame-terminal
Terminal capacity	Cu 1,5 - 16 mm ² flexible without ferrule
	Cu 1,5 - 16 mm ² flexible with ferrule
	Cu 1,5 - 6 mm ² round solid

Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Bus-mounted fuse switch for fuse links D0		SI311580
Side-mounted module for both sides, from 35A on		SI319010
D02-Reducer for D01 fuses 2-16A		SI319020
Auxiliary contact, 1 CO, 250V-AC / 5A or 30V-DC / 4 A		SI319030

D02 busbar fuse base series for 60mm-system



SI016470



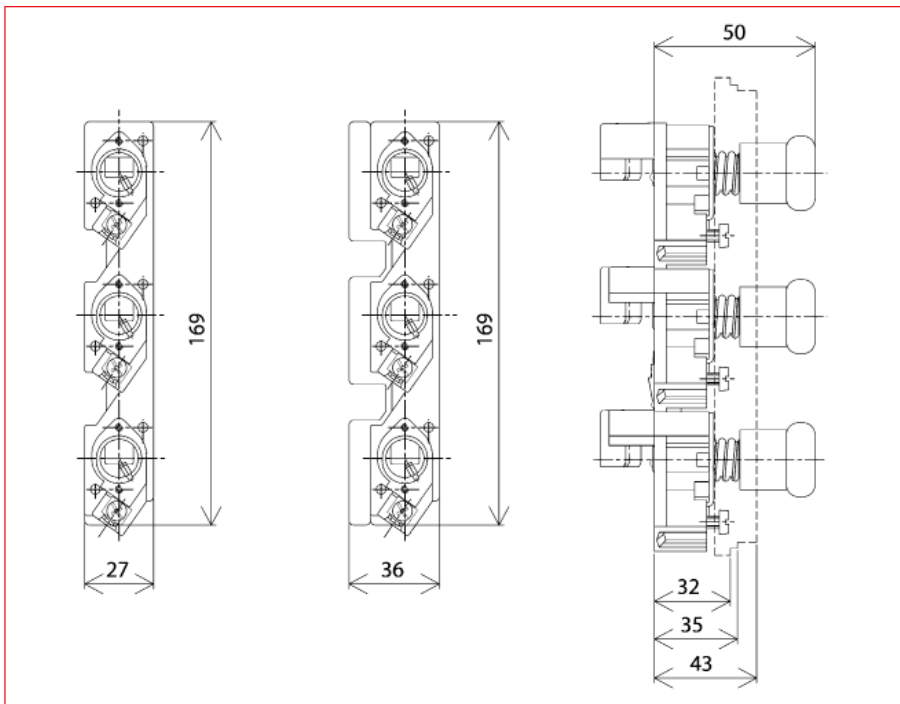
SI019800

Schrack-Info

- 3-pole Version
- Combination foot makes it suitable for 5 and 10 mm thick busbar
- For busbars 12-30x5/10, TT and TTT profile
- Latching mechanism when pushed onto the busbar.
- In one operation mechanically fixed and electrically contacted
- From a permanent load of 35A, the 36mm wide version is recommended

Type	D02-fuse-base for busbar-system
Approved with fuse links of characteristics	gG
Standards	IEC 60947-1, IEC 60947-3
Rated current (IEC)	63A
Busbar-system	60mm
Busbar type	5mm or 10mm
Busbar high	12, 15, 20, 25 or 30mm
Rated voltage (IEC)	400V-AC
Power dissipation:	5,9W (3,8W at 80%, typical load)
rated isolation voltage U_i	500V-AC
Rated surge voltage U_{imp}	6kV
Cond. rated short-circuit current with fuses	50kA / 400V-AC
Terminals	Frame-terminal
Terminal capacity	Cu 1,5 - 25mm ² flexible without ferrule
	Cu 1,5 - 25mm ² flexible with ferrule
	Cu 1,5 - 6mm ² round solid

SI016470 / SI014980 Dimensions







DESCRIPTION	AVAILABLE	ORDER NO.
D02 bus-mounting fuse base shrouded		SI319350
D0-fuse base E 18, 63 A, 3-pole, busbar-mounting, 27mm		SI016470
D0-fuse base E 18, 3-pole, busbar-mounting, 36mm with distance strip		SI014980
27 mm wide D0 strip cover E 18, 3-pole, 1 - fold		SI019800
36 mm wide D0 strip cover E 18, 3-pole, 1-1/3 - fold		SI014240
54 mm wide D0 strip cover E 18, 3-pole, 2 - fold		SI019810
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060

Accessories for D0-fuse-material



SI011040

DESCRIPTION	AVAILABLE	ORDER NO.
D01 screw cap E 14, 16 A, plastic 400 V, plastics material		SI310050
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060
D0-screw cap D0, E14, porcellain 400 V		SI011030
D0-screw cap D0, E18, porcellain 400 V		SI011040
Connecting terminal 35mm ² for D0-busbar		SI315500
Infeed block, 50mm ² for busbar and Pin busabr		IS504748
Solid-links Set w. 3 pcs. for Tytan R, Tytan T, ARROW ON		IS504859



D0-fuse-links



IS504036

Schrack-Info

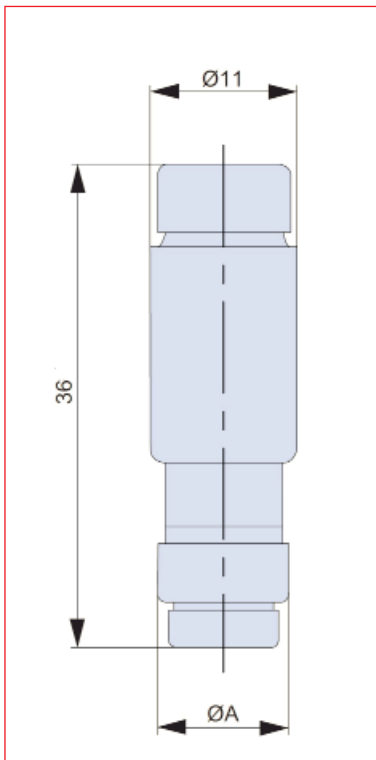
- Fuses D0 or Neozed according to IEC 60269 and DIN VDE 0636

Characteristic and their applications

Operating class	Application (Characteristic)
gG	Full range fuse for general applications, primarily cable and wire protection
gL	Obsolete VDE operating class replaced by gG
aM	Partial range fuse for short-circuit protection of motor circuits
gR	Full range fuse for the protection of semiconductor component (acting faster than gS)
gS	Full range fuses for the protection of semiconductor devices, for increased capacity utilisation
aR	Partial range fuse for short-circuit protection of semiconductor components
gTr	Full range fuses for transformer protection, rated in transformer apparent power (kVA) instead of nominal current (A)

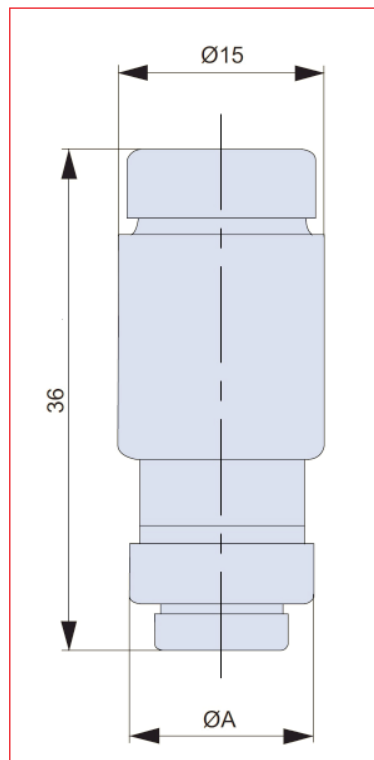
Type	IS504030	IS504031	IS504032	IS504033	IS504034	IS504035	IS504036	IS504037	IS504038	IS504039
Rated current	2A	4A	6A	10A	16A	20A	25A	35A	50A	63A
Color coding	pink	brown	green	red	grey	blue	yellow	black	white	copper
Size	D01					D02				
Thread	E14					E18				
Characteristic	gG					gG				
Rated voltage AC	400V					400V				
Rated voltage DC	250V					250V				
Power loss	1,2W	1,3W	1,7W	1,4W	2,3W	2,7W	3,5W	4W	5W	5,4W
Rated breaking capacity AC	50kA					50kA				
Rated breaking capacity DC	8kA					8kA				

Dimensions D01



ØA	
2A	7,3mm
4A	7,3mm
6A	7,3mm
10A	8,5mm
16A	9,7mm

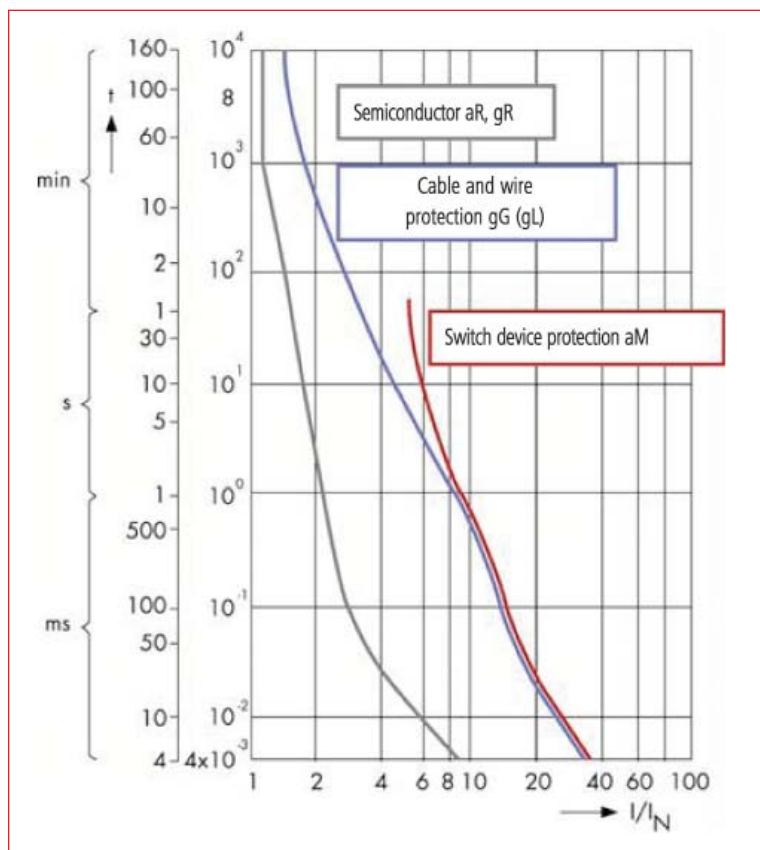
Dimensions D02



ØA	
20A	10,9mm
25A	12,1mm
32-40A	13,3mm
50A	14,5mm
63A	15,9mm

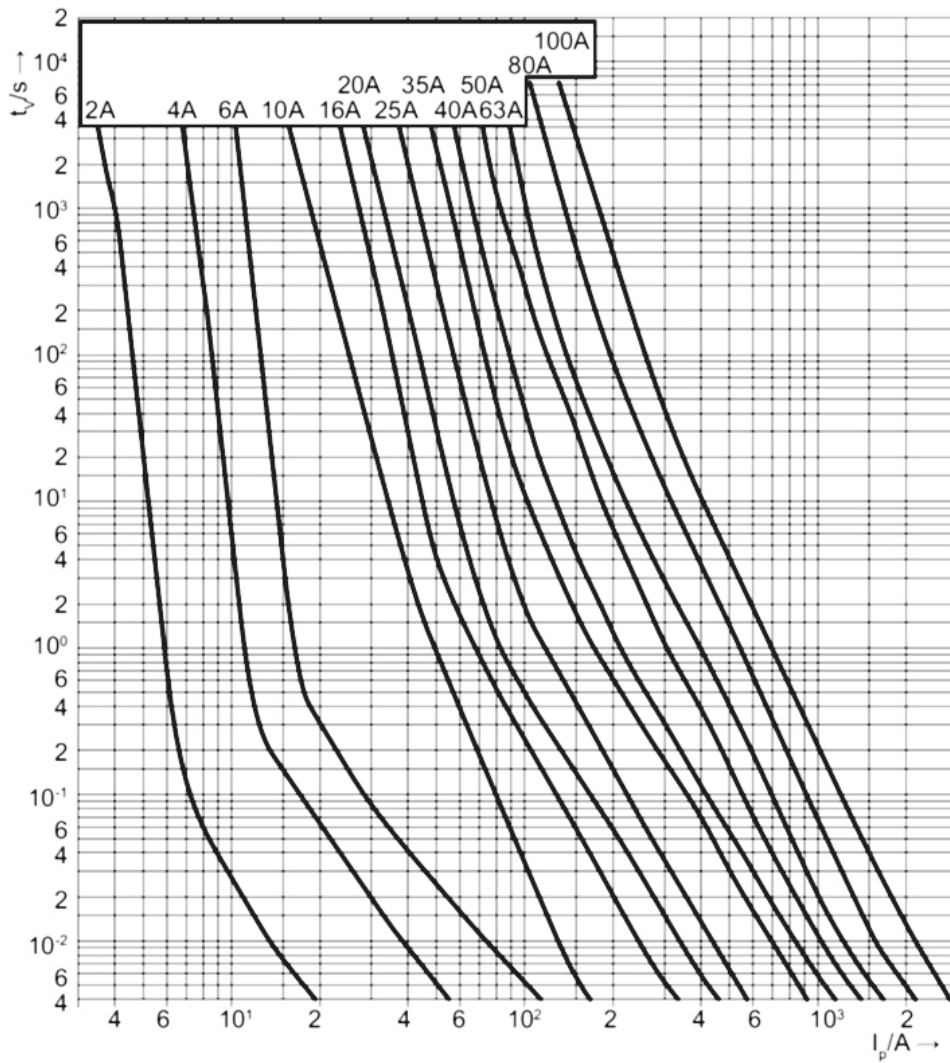
/// D0-fuse-links

/// Characteristics



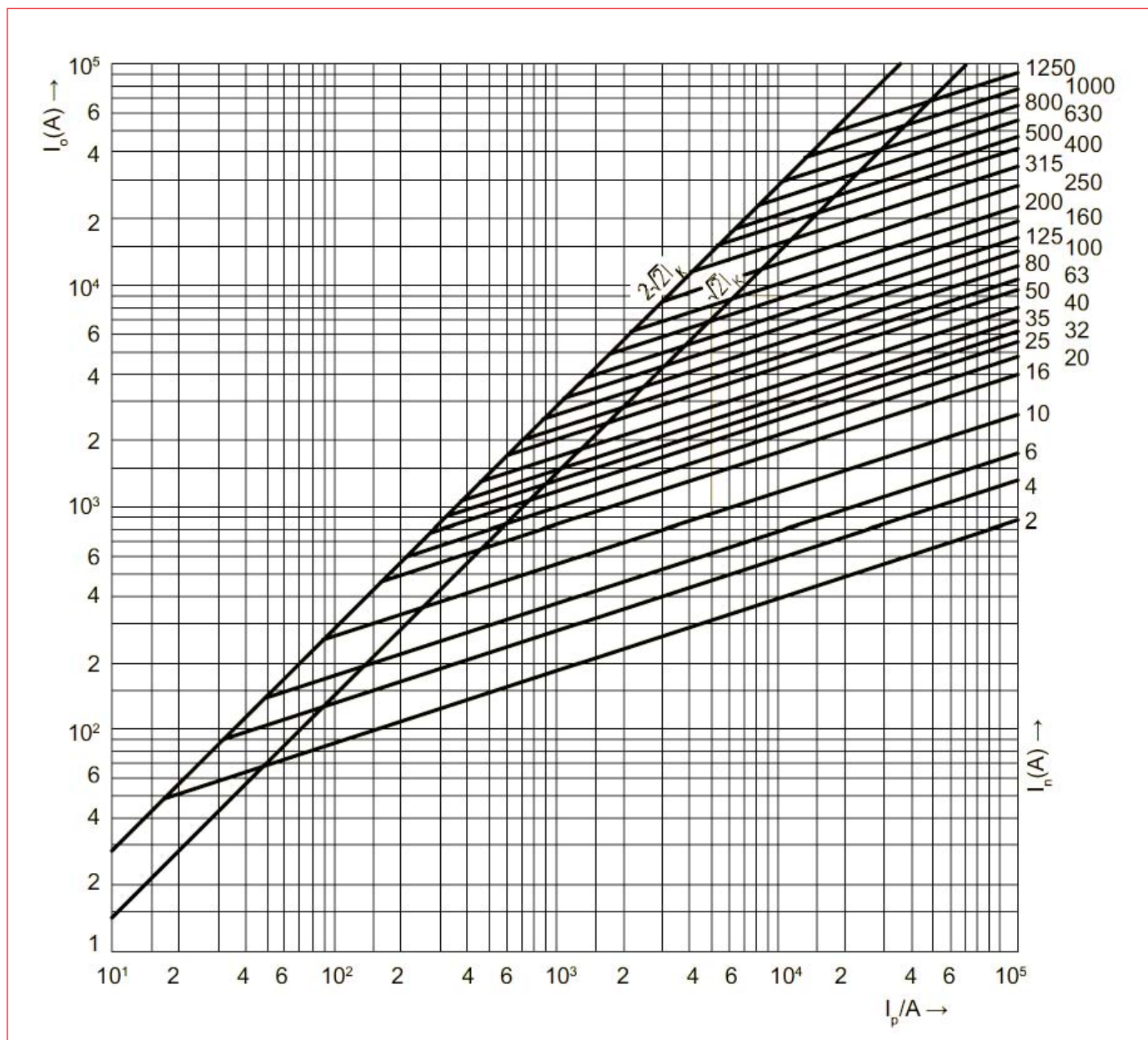
D0-fuse-links

Diagram characteristic gG



D0-fuse-links

Current limiting characteristic gG



DESCRIPTION	AVAILABLE	ORDER NO.
2A, pink, D01		IS504030
4A, brown, D01		IS504031
6A, green, D01		IS504032
10A, red, D01		IS504033
16A, grey, D01		IS504034
20A, blue, D02		IS504035
25A, yellow, D02		IS504036
35A, black, D02		IS504037
50A, white, D02		IS504038
63A, copper, D02		IS504039
Servicebox with 12 fuses D02 / 40A		ISF54040
D0-Dummy for Tytan R and Coron R		IS504899

D0-gauge rings











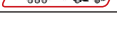


IS504134

Schrack-Info

- Gauge rings D0 or Neozed according to IEC 60269 and DIN VDE 0636 for encoding the current

Type	IS504130	IS504131	IS504132	IS504133	IS504141	IS504142	IS504143	IS504144	IS504145	IS504134	IS504135	IS504136	IS504137
Rated current	2A	4A	6A	10A	2A	4A	6A	10A	16A	20A	25A	35A	50A
Color	pink	brown	green	red	pink	brown	green	red	grey	blue	yellow	black	white
Size	D01				D02				D02				
Thread	E14				E18				E18				

DESCRIPTION	AVAILABLE	ORDER NO.
2A, pink, D01		IS504130
4A, brown, D01		IS504131
6A, green, D01		IS504132
10A, red, D01		IS504133
2A, pink, D02 - D01 in D02		IS504141
4A, brown, D02 - D01 in D02		IS504142
6A, green D02 - D01 in D02		IS504143
10A, red, D02 - D01 in D02		IS504144
16A, grey, D02 - D01 in D02		IS504145
20A, blue, D02		IS504134
25A, yellow, D02		IS504135
35A, black, D02		IS504136
50A, white, D02		IS504137

D-fuse-bases up to 63A





M141803

Schrack-Info

- Spare-parts for DII- and DIII-fuse-system

Type	DII / EZII / E27	DIII / EZIII / E33
Rated current (IEC)	25A	63A
Characteristics	gG	gG
For fuse links and gauge rings as per	DIN VDE 0636-3 IEC / EN 60269-3	
Rated voltage (IEC) AC	500V	500V
Rated voltage (IEC) DC	500V	500V
Cond. rated short-circuit current with fuses	50 kA / 500 V AC	50 kA / 500 V AC
	8 kA / 500 V DC	8 kA / 500 V DC
Rated surge voltage U_{imp}	6kV	6kV
Max. permitted voltage (IEC) AC	500V	690V
Max. permitted voltage (IEC) DC	500V	600V
The power dissipation at a typical load of 80% of the rated current results to	1,3W	7,7W
The power dissipation for operation with rated current would be	2W	12W
Terminal	Box-terminal	
Terminal capacity	1,5 - 35mm ² flexible cables without wire-end ferrule	
	1,5 - 25mm ² flexible cables with wire-end ferrule	
	1,5 - 10mm ² solid round cables	
Torque	2,4 - 3,2 Nm	

DESCRIPTION	AVAILABLE	ORDER NO.
Screw cap for base EZII without testhole		M141802
Screw cap for base EZIII without testhole		M141803



■ D-fuse-bases in according to BGV A3 (VBG 4)/TRITON up to 63A



SI311740

■ Schrack-Info

- 1-/3-pole
- Two-sided box terminal (1.5-35mm²)
- Contact protection according to DIN VDE 0106
- Serially installable

Type	DII / EZII / E27	DIII / EZIII / E33
Rated current (IEC)	25A	63A
Characteristics	gG	gG
For fuse links and gauge rings as per	DIN VDE 0636-3 IEC / EN 60269-3	
Rated voltage (IEC) AC	500V	500V
Rated voltage (IEC) DC	500V	500V
Cond. rated short-circuit current with fuses	50 kA / 500 V AC 8 kA / 500 V DC	50 kA / 500 V AC 8 kA / 500 V DC
Rated surge voltage U _{imp}	6kV	6kV
Max. permitted voltage (IEC) AC	500V	690V
Max. permitted voltage (IEC) DC	500V	600V
The power dissipation at a typical load of 80% of the rated current results to	1,3W	7,7W
The power dissipation for operation with rated current would be	2W	12W
Terminal	Box-terminal	
Terminal capacity	1,5 - 35mm ² flexible cables without wire-end ferrule	
	1,5 - 25mm ² flexible cables with wire-end ferrule	
	1,5 - 10mm ² solid round cables	
Torque	2,4 - 3,2 Nm	

DESCRIPTION	AVAILABLE	ORDER NO.
DII, E27, 1-pole, 25 A		SI311730
DII, E27, 3-pole, 25 A		SI311740
DIII, E33, 1-pole, 63 A		SI311750
DIII, E33, 3-pole, 63 A		SI311760
Screw cap for base EZII without testhole		M141802
Screw cap for base EZIII without testhole		M141803





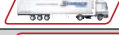



D-fuse-links



M142106

Schrack-Info

- Fuse-links DIN 49515, DIN 49367

DESCRIPTION	AVAILABLE	ORDER NO.
2A, EZ II		M142100
4A, EZ II		M142101
6A, EZ II		M142102
10A, EZ II		M142103
16A, EZ II		M142104
20A, EZ II		M142105
25A, EZ II		M142106
35A, EZ III		M142200
50A, EZ III		M142201
63A, EZ III		M142202



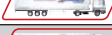



D-gauge rings



M143006

Schrack-Info

- Screw adjusting inserts and adjusting sleeves for D-fuses

DESCRIPTION	AVAILABLE	ORDER NO.
Set screws for bases DII, 2A		M143000
Set screws for bases DII, 4A		M143001
Set screws for bases DII, 6A		M143002
Set screws for bases DII, 10A		M143003
Set screws for bases DII, 16A		M143004
Set screws for bases DII, 20A		M143005
Set screws for bases DII, 25A		M143006
Set screws for bases DIII, 35A, type MS		M143100
Set screws for bases DIII, 50A, type MS		M143101
Set screws for bases DIII, 63A, type MS		M143102

■ NH (HRC) fuse loadbreak-disconnectors size 000 (100 A), for surface mounting, series ARROW II



ISA05011

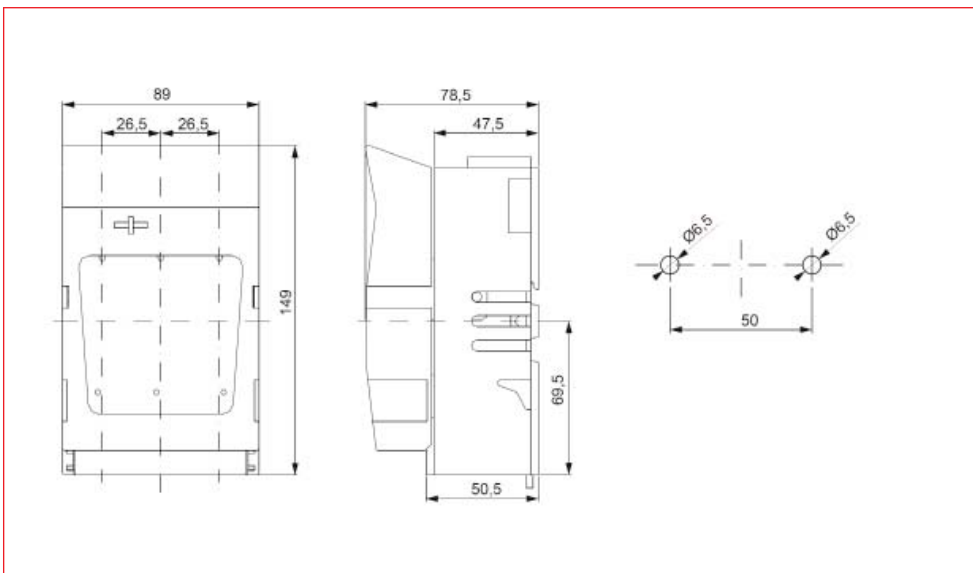
■ Schrack-Info

- NH-fuse loadbreak-disconnectors according IEC/EN 60947-3, VDE 0660/107
- For fixed installation
- Halogen-free, non-flammable plastics
- Degree of protection IP20, on front, closed device
- Degree of protection IP10, open front cover

■ Technical Data

Type	ISA05011
Size	NH000
Poles	3
Applicable for fuse-links	NH000
Type of installation	Baseplate mounting DIN-rail mounting
Switching mode	3pole switchable
Rated operating voltage	690V
Rated operating current	160A
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	40 - 60Hz
Total power loss at Ith (without fuse-link)	7W
Utilisation category	AC-21B (690V/100A) AC-22B (400V/160A) AC-22B (500V/100A) DC-22B (220V/100A)
Rated conditional short-circuit current	50kA (AC 500V)
Max. permissible power dissipation per fuse-link	9W
Ambient temperature	-25 up to +55°C
Ambient temperature	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP20
Cable terminal	Flat terminal M8

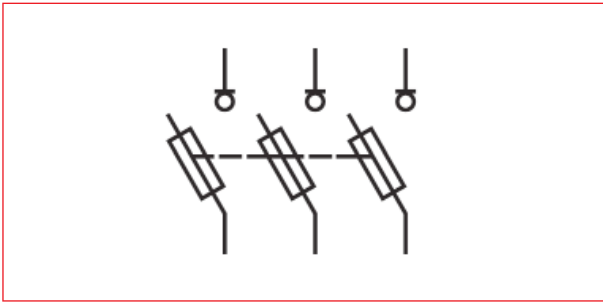
■ Dimensioned drawing



NH-fuse-material series ARROW

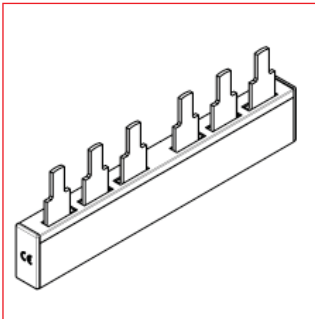
■ NH (HRC) fuse loadbreak-disconnectors size 000 (100 A), for surface mounting, series ARROW II

■ ISA05011 Wiring diagram

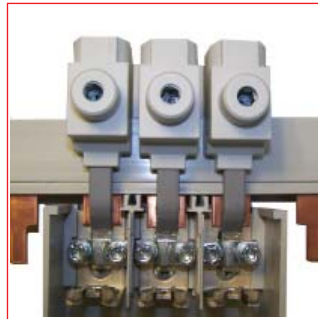


DESCRIPTION	AVAILABLE	ORDER NO.
Size C 00 with mounting clip for Din-rail		ISA05011
HRC-fuse-switch size C 00 with mounting clip for Din-rail		IS505011

■ Accessories for ARROW II, size 000



BS900192-A

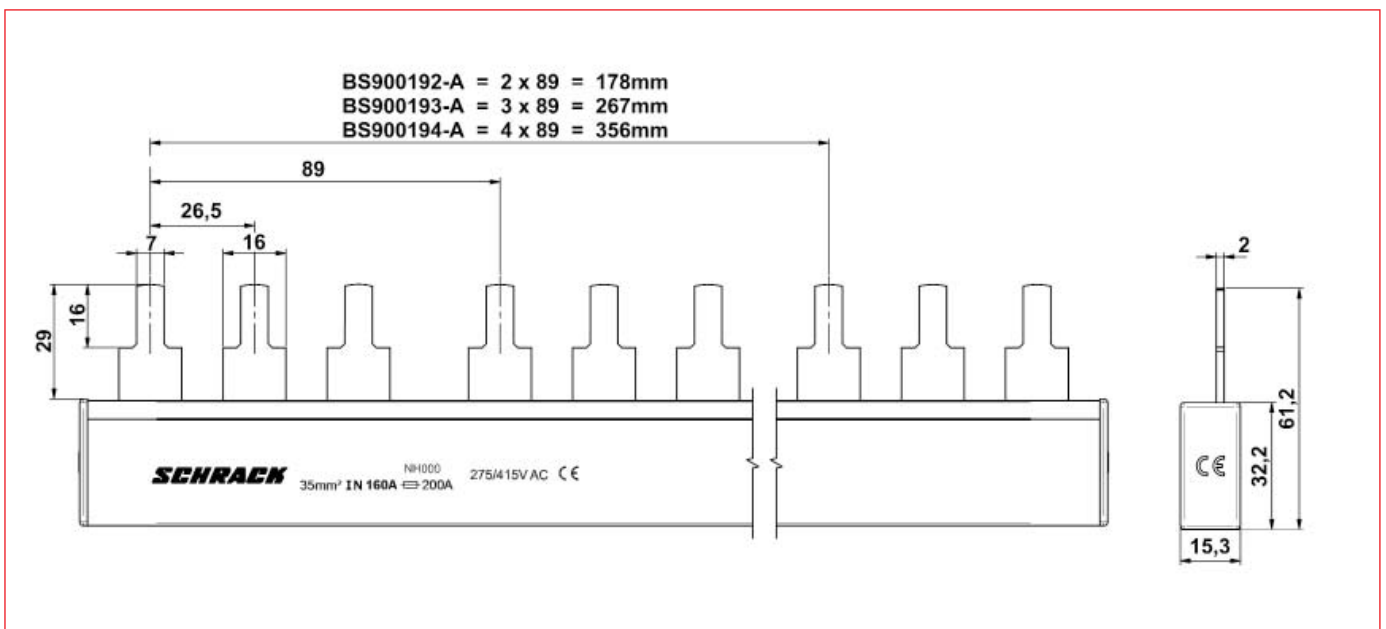


Mounting

■ Schrack-Info

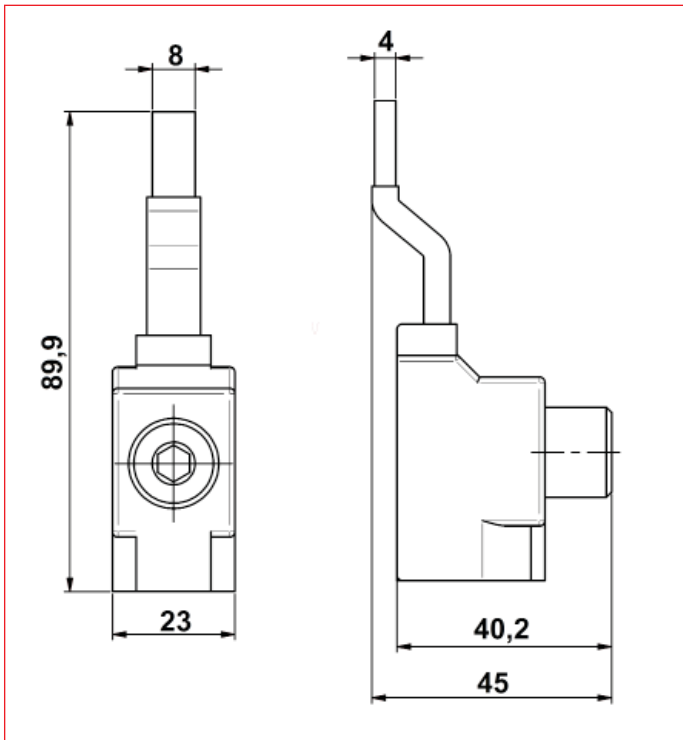
Busbars for comfortable and easy wiring of NH-fuse-loadbreak-disconnectors size 000 series ARROW II


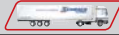
■ BS900192-A, BS900193-A, BS900194-A Dimensions



Accessories for ARROW II, size 000

BS900191-A Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Busbar 2xC00 3P fuse switch		BS900192-A
Busbar 3xC00 3P fuse switch		BS900193-A
Busbar 4xC00 3P fuse switch		BS900194-A
Terminal 95mm ² for busbar C00		BS900191-A
Input-terminals for HRC-fuse-switch size C00 25-95mm ²		ISA05013







■ NH (HRC) fuse loadbreak-disconnectors size 1 (160 A), for surface mounting, series ARROW II



ISA05222

Size	NH00
Poles	1
Applicable for fuse-links	NH000 and NH00
Type of installation	Baseplate mounting
Switching mode	1, 3, or 4-pole switchable
Rated operating voltage	690V
Rated operating current	160A
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	40 - 60Hz
Utilisation category	AC-22B (500V/160A)
	AC-22B (690V/100A)
	DC-21B (440V/100A)
	DC-22B (220V/160A)
Rated conditional short-circuit current	50 (AC 500V)(kA)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
Ambient temperature	<35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP20
Cable terminal	Flat terminal M8

DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 1-pole, 160A, M8		ISA05224
Size 00, 3-pole, 160A, clamp, with window lock		ISA05221F
Size 00, 3-pole, 160A, M8, with window lock		ISA05222F
Size 00, 4-pole, 160A, M8		ISA05225
Single clamp strap size 00		ISA05300
Prism clamp 1,5-70mm ² for size 00		ISA05335
DIN rail fixing parts for ARROW BLOC size 00		ISA05194

■ NH (HRC) fuse loadbreak-disconnectors size 00 (160 A), for surface mounting, series ARROW BLUE



ISA05221-A

■ Schrack-Info

- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Standard	IEC/DIN/EN 60947-3 / VDE 0660-107
For LV HRC fuse-links acc. to DIN VDE 0636-2	Size 000/00
Rated operational voltage U_n	690VAC / 440V-DC
Rated operational current ¹⁾ I_n	160 A
Conv. free air thermal current with fuse-links ¹⁾ I_{th}	160 A
Conv. free air thermal current with solid-links ¹⁾ I_{th}	210 A
Rated frequency f	40 - 60 Hz
Rated insulation voltage U_i	800 V - AC
Total power loss at Ith (without fuse-links) P_v	9 W
Rated impulse withstand voltage U_{imp}	8 kV
Utilisation category ²⁾	AC-23B (400V/160A) ^{2a)}
	AC-22B (500V/160A) ^{2a)}
	AC-21B (690V/160A) ^{2a)}
	DC-22B (250V/160A) ^{2a)}
	DC-21B (440V/160A) ^{2a)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2a)}
	100 (690V) ^{2a)}
Rated short-time withstand current I_{cw}	7 kA (1s)
Max. permis. power loss per fuse-link P_n	12 W
Degree of protection, front side	Operating condition IP20
	With clamp- and lateral cover IP20XC
	switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 up to +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overvoltage category	III
Cable terminal	Flat terminal, Bolt diameter M8
	Tightening torque 12-15Nm
Clip terminal, Clamping cross-section	conductor round 1,5 - 70 mm ² copper
	busbar 6 x 9 x 0,8
	Tightening torque 2,6Nm

¹⁾ In case of mounting of several units in low voltage switch-gear-combinations, please consider rated diversity factors acc. to EN 61439-1.

²⁾ It must be considered a minimum distance to earthed, conductive parts:

^{2a)} Lateral: 20mm / Above: 50mm / Behind: 0mm

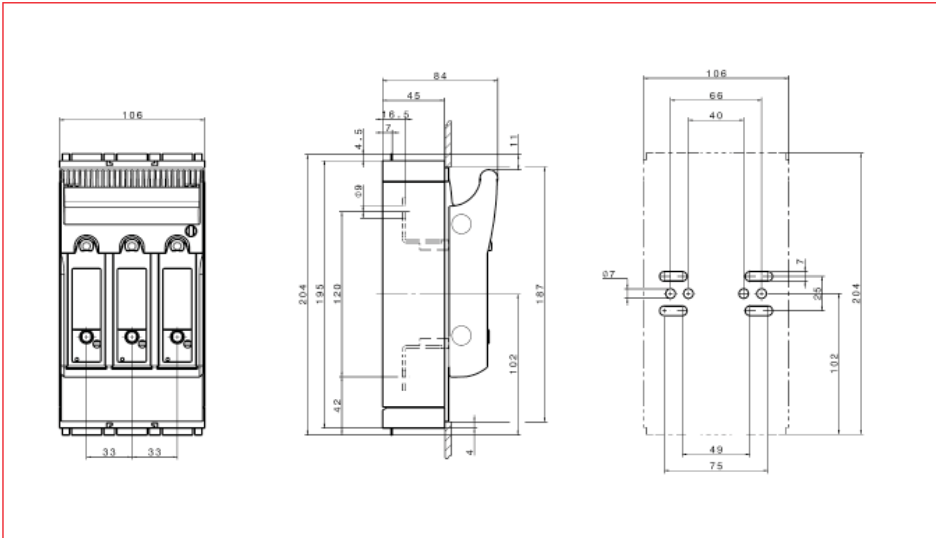
³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current

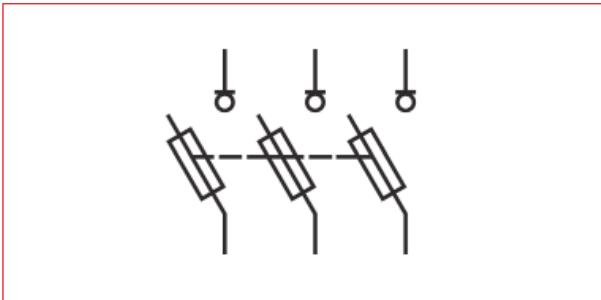
NH-fuse-material series ARROW

■ NH (HRC) fuse loadbreak-disconnectors size 00 (160 A), for surface mounting, series ARROW BLUE

■ Dimensions

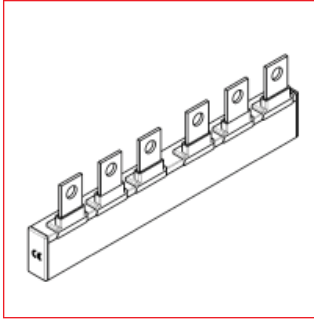


■ ISA05221-A, ISA05222-A



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8		ISA05222-A
Size 00, 3-pole, 160A, clamp		ISA05221-A
Single clamp strap size 00		ISA05300
Prism clamp 1,5-70mm ² for size 00		ISA05335

Busbars for ARROW BLUE, size 00

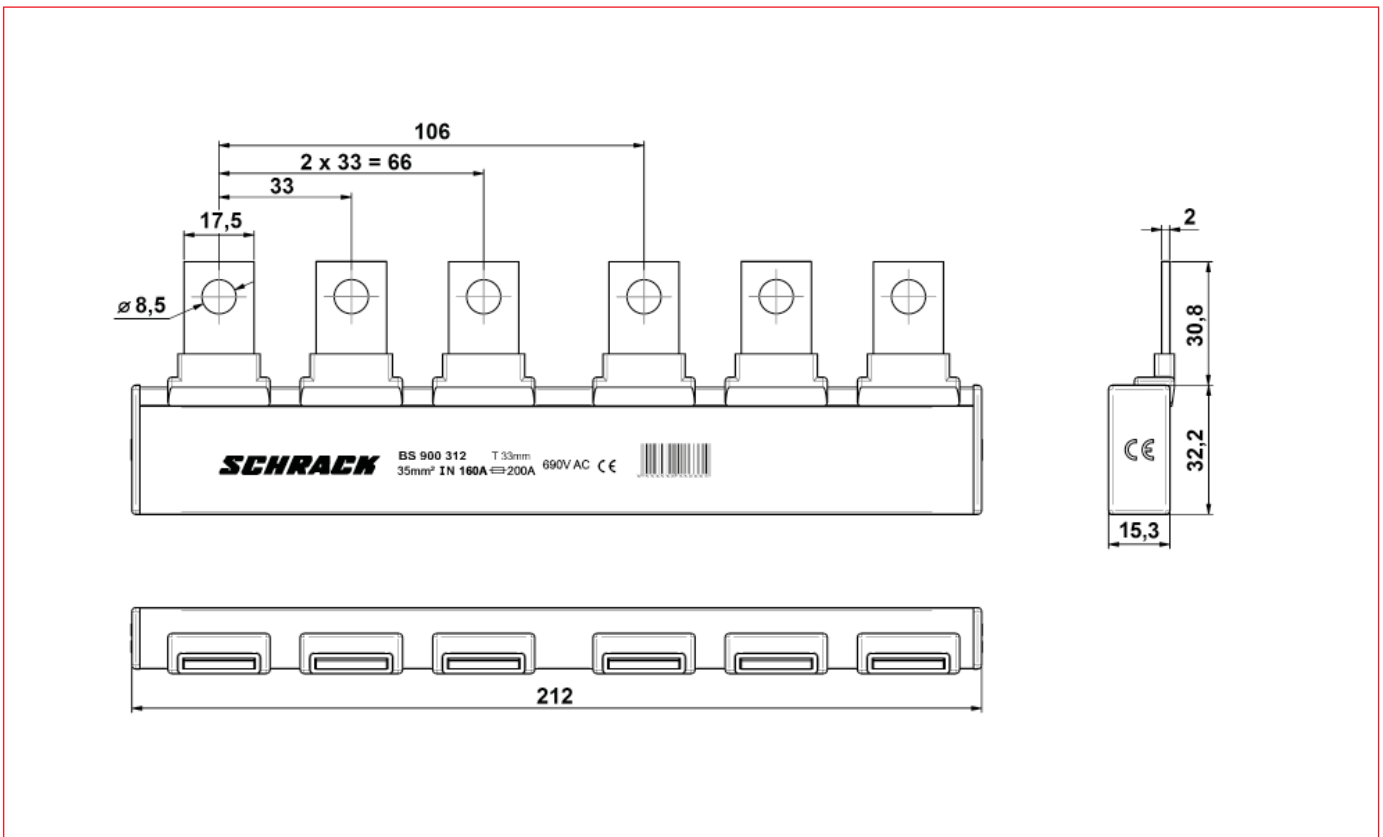


BS900312

Schrack-Info

Busbars for comfortable and easy wiring of NH-fuse-loadbreak-disconnectors size 00 series ARROW BLUE

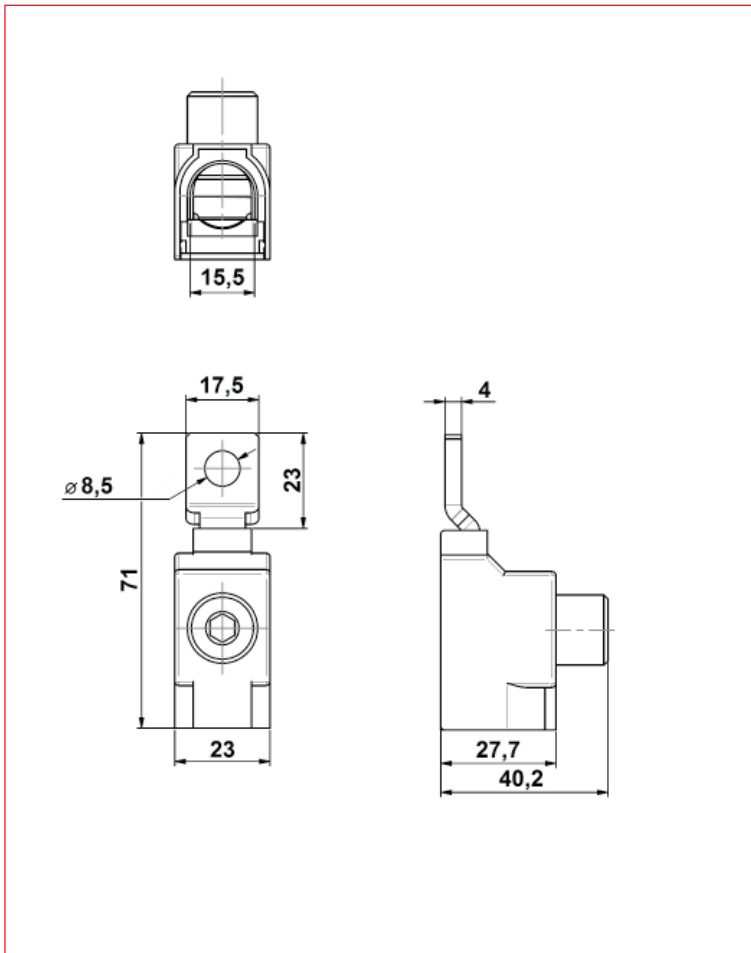
Dimensions




NH-fuse-material series ARROW

Busbars for ARROW BLUE, size 00

Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Busbar 2x00 3P fuse switch		BS900312
Busbar 3x00 3P fuse switch		BS900313
Busbar 4x00 3P fuse switch		BS900314
Terminal 95mm ² for busbar 00		BS900311

■ NH (HRC) fuse loadbreak-disconnectors size 1 (250 A), for surface mounting, series ARROW II





ISA05226

■ Schrack-Info

- NH-fuse loadbreak-disconnectors according IEC/EN 60947-3, VDE 0660/107
- For fixed installation
- Halogen-free, non-flammable plastics
- Degree of protection IP20, on front, closed device
- Degree of protection IP10, open front cover

■ Technical data

Size	NH1
Poles	1-, 3- or 4-pole
Applicable for fuse-links	NH1
Type of installation	Baseplate mounting
Switching mode	3pole switchable
Rated operating voltage	690V
Rated operating current	250A
Conv. free air thermal current with fuse-links	250A
Conv. free air thermal current with solid links	325A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	40 - 60Hz
Total power loss at Ith (without fuse-link)	13W
Utilisation category	AC-22B (500V/250A)
	AC-22B (690V/200A)
	DC-21B (440V/200A)
	DC-22B (220V/250A)
Rated conditional short-circuit current	50 (AC 500V)(kA)
Max. permissible power dissipation per fuse-link	23(W)
Ambient temperature	-25 up to +55°C
	(>35°C derating of rated current required)
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP20
Cable terminal	Flat terminal M10
Tightening torque	30-35Nm

DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 1-pole, 250A, M10		ISA05227
Size 1, 3-pole, 250A, M10		ISA05226
Size 1, 4-pole, 250A, M10		ISA05229



■ NH (HRC) fuse loadbreak-disconnectors size 1 (250 A), for surface mounting, series ARROW BLUE



ISA05226-A

■ Schrack-Info

- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 1
Rated operational voltage U_n	690VAC / 440 V DC
Rated operational current ¹⁾ I_n	250 A
Conv. free air thermal current with fuse-links 1) I_{th}	250 A
Rated frequency f	40 - 60 Hz
Rated insulation voltage U_i	800 V AC
Total power loss at I_{th} (without fuse-links) P_v	22 W
Rated impulse withstand voltage U_{imp}	8 kV
Utilisation category ²⁾	AC-23B (400V/250A) ^{2b)}
	AC-22B (500V/250A) ^{2b)}
	AC-21B (690V/250A) ^{2b)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2b)}
	100 (690V) ^{2b)}
Rated short-time withstand current I_{sw}	10 kA (1s)
Max. permis. power loss per fuse-link P_a	23 W
Degree of protection, front side	Operating condition IP20
	With clamp- and lateral cover IP20XC
	switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 up to +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overtoltage category	III
Cable terminal	Flat terminal, Bolt diameter M10
	Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switch-gear-combinations, please consider rated diversity factors acc. to EN 61439-1.

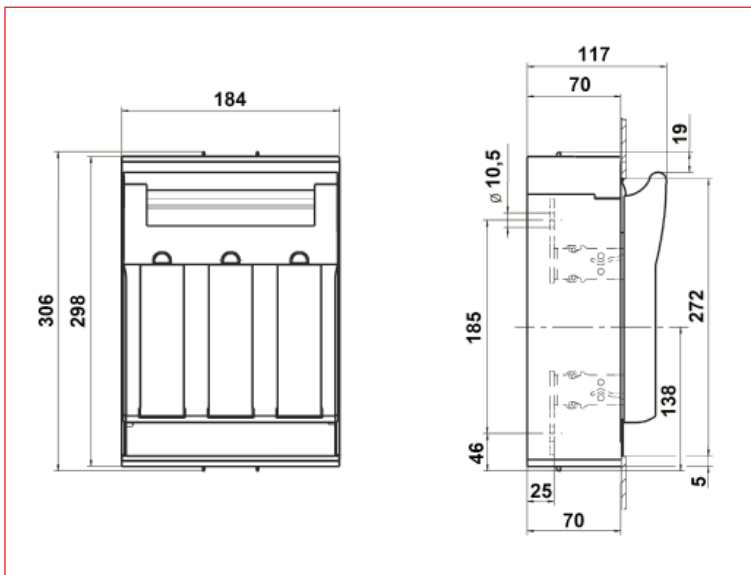
²⁾ ..It must be considered a minimum distance to earthed, conductive parts:

^{2b)} Lateral: 20mm / Above: 50mm

³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

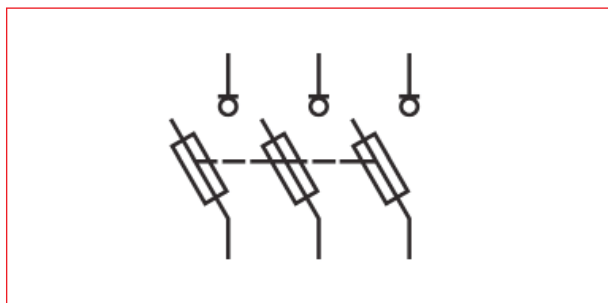
⁴⁾ 35 °C Normal temperature, at 55 °C with reduced operating current

■ Dimensions



■ NH (HRC) fuse loadbreak-disconnectors size 1 (250 A), for surface mounting, series ARROW BLUE

■ ISA05226 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10		ISA05226-A

■ NH (HRC) fuse loadbreak-disconnectors size 2 (400 A), for surface mounting, series ARROW II



ISA05250

Size	NH2
Poles	3
Applicable for fuse-links	NH2
Type of installation	Baseplate mounting
Switching mode	3pole switchable
Rated operating voltage	690V
Rated operating current	400A
Conv. free air thermal current with fuse-links	400A
Conv. free air thermal current with solid links	520A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	40 - 60Hz
Total power loss at Ith (without fuse-link)	27W
Utilisation category	AC-22B (500V/400A) AC-22B (690V/315A) DC-21B (440V/315A) DC-22B (220V/400A)
Rated conditional short-circuit current	80 (AC 500V)(kA)
Max. permissible power dissipation per fuse-link	34W
Ambient temperature	-25 up to +55 °C >35 °C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP20
Cable terminal	Flat terminal M10
Cable lug (DIN 46 235)	1 x 25-240mm ²
Tightening torque	30-35Nm

DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10		ISA05250



■ NH (HRC) fuse loadbreak-disconnectors size 2 (400 A), for surface mounting, series ARROW BLUE



ISA05250-A

■ Schrack-Info

- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 2
Rated operational voltage U_n	690VAC / 440V-DC
Rated operational current I_n	400A
Conv. free air thermal current with fuse-links I_{th}	400A
Conv. free air thermal current with solid-links I_{th}	520A
Rated frequency f	40-60Hz
Rated insulation voltage U_i	800V-AC
Total power loss at I_{th} (without fuse-links) P_v	22W
Rated impulse withstand voltage U_{imp}	8kV
Utilisation category ²⁾	AC-23B (400V/400A) ^{2a)}
	AC-22B (500V/400A) ^{2a)}
	AC-21B (690V/400A) ^{2a)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2a)}
	100 (690V) ^{2a)}
Rated short-time withstand current I_{sw}	10kA(1s)
Max. permis. power loss per fuse-link P_a	34W
Degree of protection, front side	Operating condition IP20
	With clamp- and lateral cover IP20XC
	switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 up to +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overtoltage category	III
Cable terminal	Flat terminal, Bolt diameter M10
	Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switch-gear-combinations, please consider rated diversity factors acc. to EN 61439-1.

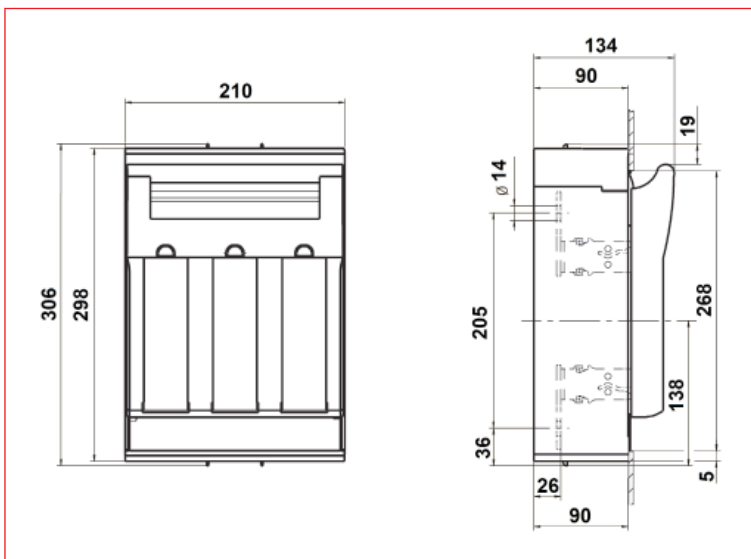
²⁾ ..It must be considered a minimum distance to earthed, conductive parts:

^{2a)} Lateral: 20mm / Above: 50mm / Behind: 0mm

³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

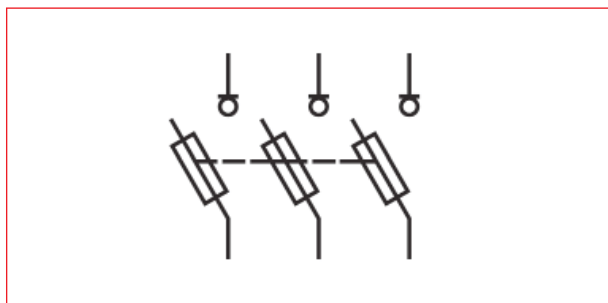
⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current

■ Dimensions



■ NH (HRC) fuse loadbreak-disconnectors size 2 (400 A), for surface mounting, series ARROW BLUE

■ ISA05250 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10		ISA05250-A

■ NH (HRC) fuse loadbreak-disconnectors size 3 (630 A), for surface mounting, series ARROW II



ISA05295

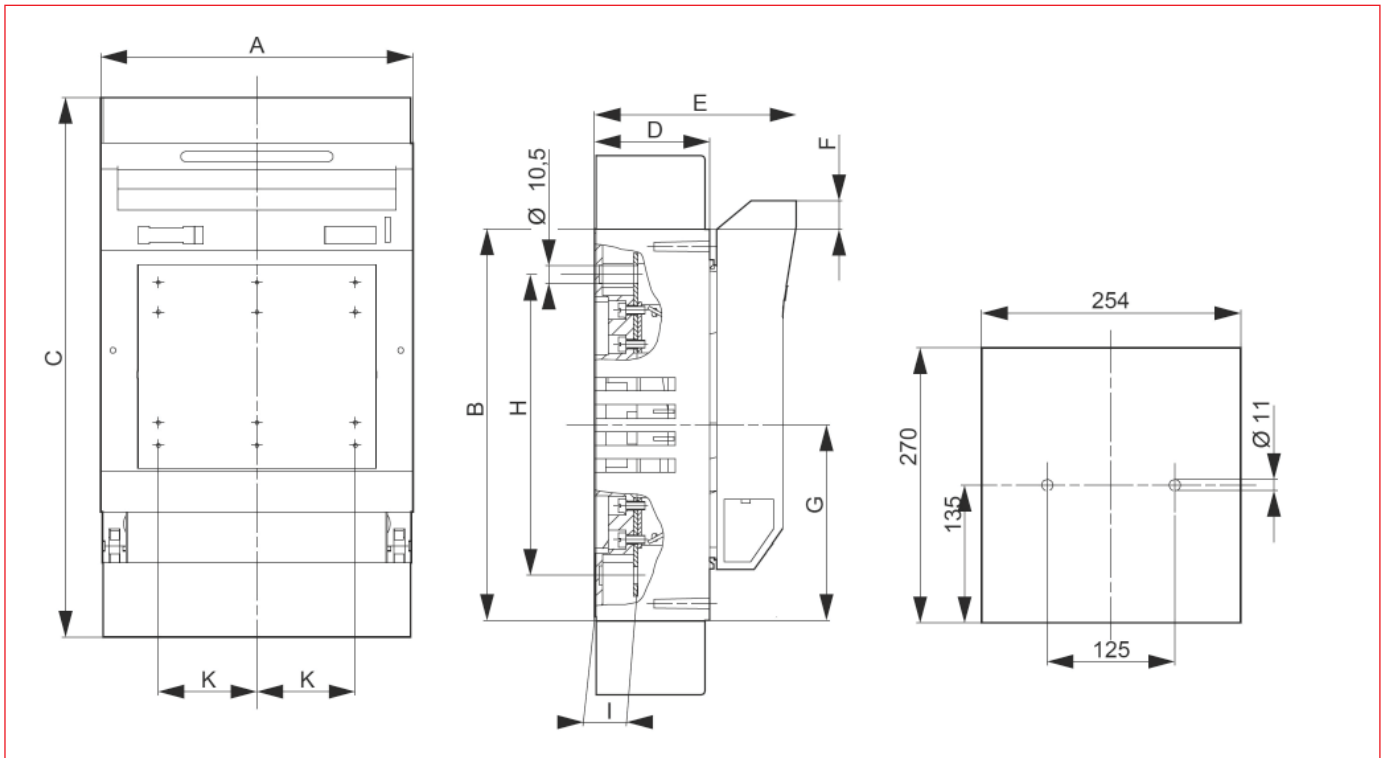
Size	NH3
Poles	3
Applicable for fuse-links	NH2 and NH3
Type of installation	Baseplate mounting
Switching mode	3pole switchable
Rated operating voltage	690V
Rated operating current	630A
Conv. free air thermal current with fuse-links	630A
Conv. free air thermal current with solid links	1000A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	40 - 60Hz
Total power loss at Ith (without fuse-link)	52W
Utilisation category	AC-22B (500V/630A) AC-22B (690V/500A) DC-21B (440V/500A) DC-22B (220V/630A)
Rated conditional short-circuit current	80kA (AC 500V)
Max. permissible power dissipation per fuse-link	48W
Ambient temperature	-25 up to +55 °C >35 °C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP20
Cable terminal	Flat terminal M10
Cable lug (DIN 46 235)	1 x 25-300mm ²
Tightening torque	30-35mm ²



NH-fuse-material series ARROW

NH (HRC) fuse loadbreak-disconnectors size 3 (630 A), for surface mounting, series ARROW II

Dimensioned drawing




A	B	C	D	E	F	G	H	I	J
254	270	430	95	147	9	135	220,5	30,5	82

DESCRIPTION	AVAILABLE	ORDER NO.
Size 3, 3-pole, 630A, M12		ISA05295

Accessories for ARROW Bloc

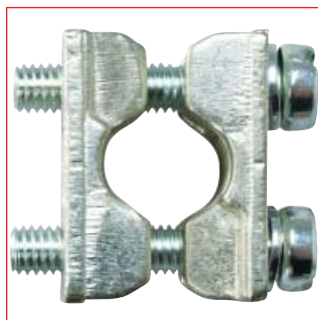


ISA05700

DESCRIPTION	AVAILABLE	ORDER NO.
COVER CAP F.TOP TERMINAL		ISA05700



Accessories for ARROW BLUE



ISA05335

Schrack-Info

- Accessories for NH (HRC) fuse-load-breaker, series ARROW BLUE
- For size 00, 1, 2 and 3

DESCRIPTION	AVAILABLE	ORDER NO.
Single clamp strap size 00		ISA05300
Prism clamp 1,5-70mm ² for size 00		ISA05335
Cover cap for ARROW BLUE size 00		ISA05700-A
Microswitch for ARROW BLUE size 00		ISA05324-A
Boxterminal ARROW BLUE size 1		ISA05744-A
Boxterminal ARROW BLUE size 2 and size 3		ISA05745-A
Terminal cover ARROW BLUE size 00 top or bottom		ISA05701-A
Terminal cover ARROW BLUE size 1		ISA05702-A
Terminal cover ARROW BLUE size 2		ISA05703-A
Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00		ISA05705-A
Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00		ISA05706-A
Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00		ISA05707-A
Terminal cover extension 32 mm for ARROW BLUE size 00		ISA05708-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00		ISA05709-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 00		ISA05710-A
Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00		ISA05711-A
Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00		ISA05712-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1		ISA05713-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 1		ISA05714-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2		ISA05715-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 2		ISA05716-A
Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00		ISA05719-A
Cover support sided 32, 60 and 70 mm for ARROW BLUE size 00		ISA05720-A
Cover support top/bottom 60 and 70 mm for ARROW BLUE size 1-3		ISA05721-A
Clip terminal ARROW BLUE size 1		ISA05740-A
Clip terminal ARROW BLUE size 2		ISA05741-A
Clamp terminal ARROW BLUE size 1		ISA05742-A
Clamp terminal ARROW BLUE size 2		ISA05743-A



NH-fuse-material series ARROW

■ Fuse base size 00 (160 A), for surface mounting, series ARROW II / ARROW



ISA050003

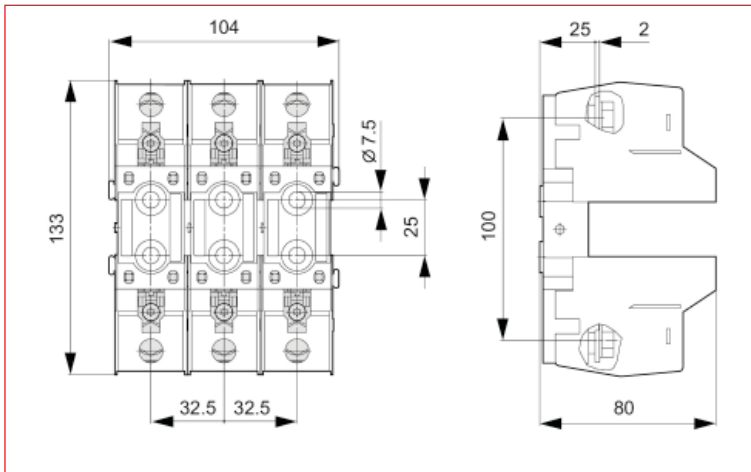
■ Schrack-Info

- Dimensions according ÖNORM E6021 and DIN 43.620
- 3-pole version with 2 section-plates ÖVE-SN40, IEC 269, VDE 0636, SEV 1018

■ Technical Data

Size	NH00
Applicable for fuse-links	NH000 and NH00
Rated operating voltage	690V
Rated operating current	160A
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated frequency	40 - 60Hz
Max. permissible power dissipation per fuse-link	12W
Duty type	Continuous duty
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Oversvoltage category	III
Degree of protection	IP00
Cable terminal	Flat terminal M8 - Cable lug 1x 10-95mm ² (max. 25mm width) - 12-15Nm clip terminal - 1,5-70 Cu - 2,6Nm V-terminal - 10-50re, 10-50m, 35-70sm, 50-95se
Protective cover	Yes

■ ISA05039 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 2 clamps, 1 pole		ISA05001
HRC-fuse-base size 00, 2 clamps, 1 pole		IS505001
Size 00, V/clamp 1 pole		ISA05003
HRC-fuse-base size 00 V/M8		ISA05037
HRC-fuse-base size 00, 2XM8		ISA05039
Phase separation plate size 00, type TW5		IS505047

■ Fuse base size 1-2 (250/400 A), for surface mounting, series ARROW II

■ Schrack-Info

- NH-fuse-base for baseplate mounting
- NH-fuses size 1 or size 2 according DIN VDE 0636-2 / IEC 60269-2

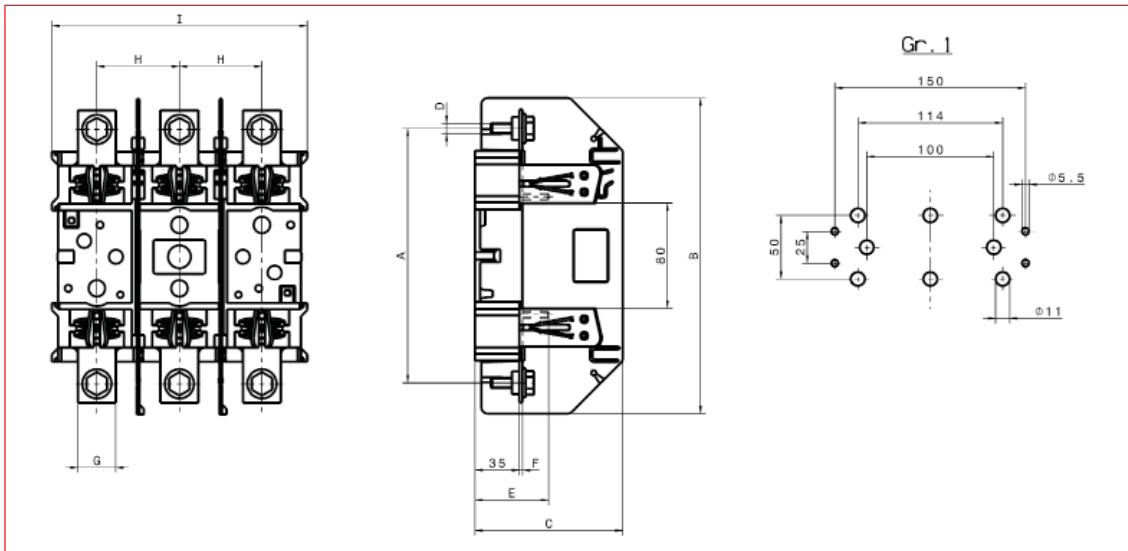
■ Technical data

Size	NH1 - size 1	NH2 - size 2
Poles	3	3
Applicable for fuse-links	NH1	NH2
Rated operating voltage	690V	690V
Rated operating current	250A	400A
Conv. free air thermal current with fuse-links	250A	400A
Conv. free air thermal current with solid links	325A	520A
Rated frequency	40 - 60Hz	40 - 60Hz
Max. permissible power dissipation per fuse-link	32W	45W
Ambient temperature	-25 up to +55°C	-25 up to +55°C
	>35°C derating of rated current required	>35°C derating of rated current required
Duty type	Continuous duty	Continuous duty
Mounting position	vertical / horizontal	vertical / horizontal
Altitude	2000m	2000m
Pollution degree	3	3
Overvoltage category	III	III
Degree of protection	IP00	IP00
Cable terminal	Flat terminal M10	Flat terminal M10
Protective cover	No	No

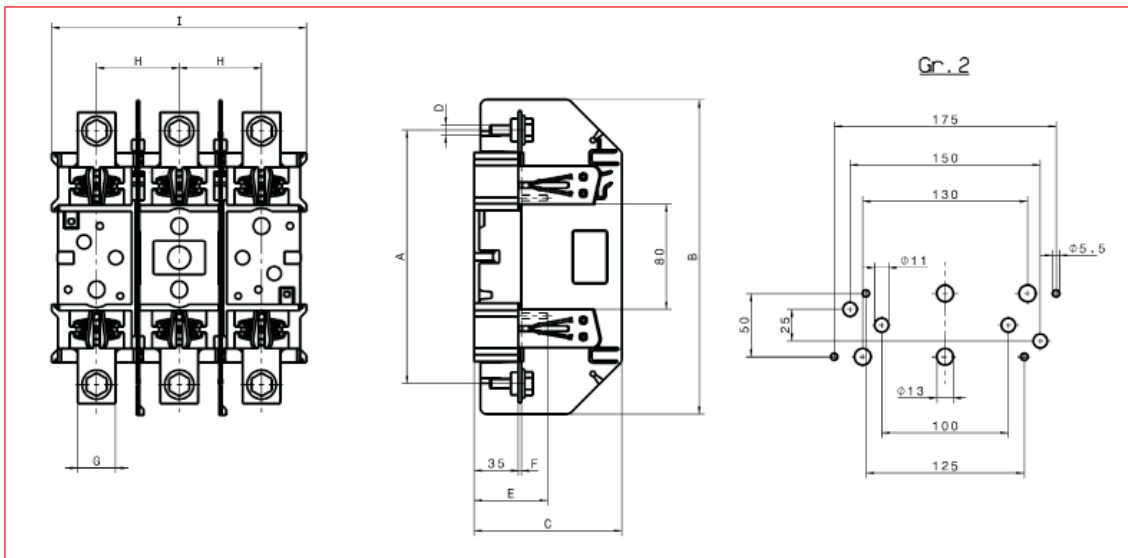
NH-fuse-material series ARROW

■ Fuse base size 1-2 (250/400 A), for surface mounting, series ARROW II

■ ISA05060 Dimensions



■ ISA05061 Dimensions



ISA05060

Type	A	B	C	D	E	F	G	H	I
NH1	175	200	104	M10	58	2,5	25	58	180

ISA05061

Type	A	B	C	D	E	F	G	H	I
NH2	200	230	117	M10	63	2,5	30	66	204

DESCRIPTION	AVAILABLE	ORDER NO.
HRC-fuse-base size 1 2XM10 3P, 250A		ISA05060
HRC-fuse-base size 2 2XM10 3P, 400A		ISA05061

Neutral bracket size 00, for surface mounting, series ARROW II / ARROW



IS505007

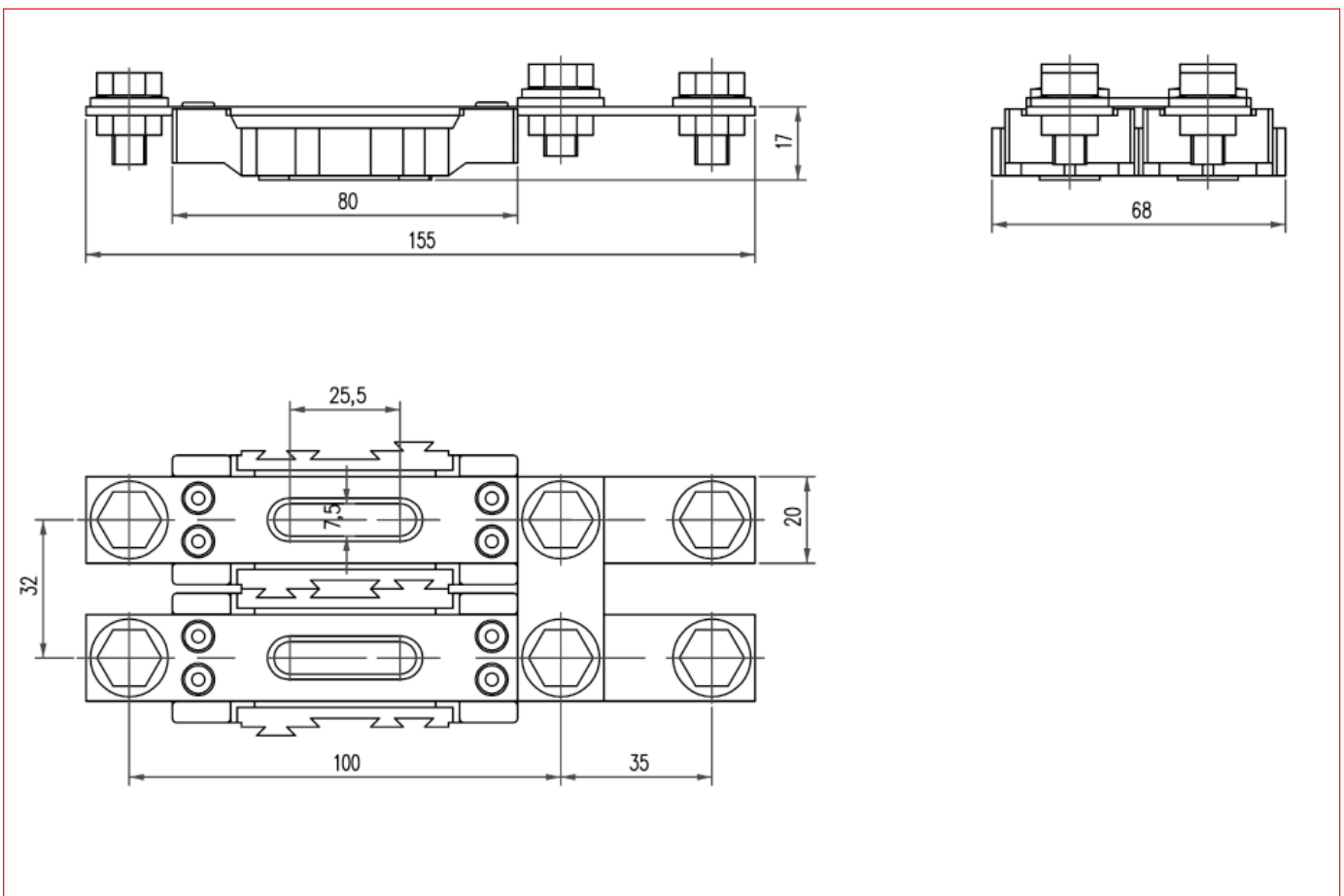


ISA05043

Schrack-Info

Neutral-conductors for NH-fuse-base for mounting-plate.

IS505007 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 2 clamps		ISA05005
Size 00, V/clamp		ISA05006
HRC-neutral-conductor size 00, 2XM8		ISA05043
HRC-neutral-conductor size 00, M8/clamp		IS505004
HRC-neutral-conductor size 00, 2 pole, 6 x M8		IS505007
HRC-neutral-conductor size 00, V/clamp		IS505006
HRC-neutral-conductor size 00, 2 pole, 4 x M8		IS505008



NH-fuse-material series ARROW

Accessories for fuse-bases






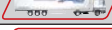

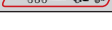








IS505200



IS505201

Schrack-Info

Accessories suitable for NH-fuse-bases

DESCRIPTION	AVAILABLE	ORDER NO.
Phase separation plate size 00		ISA05047
Phase separation plate size 00, short type		ISA05088
Phase separation plate size 1		ISA05058
Cover for HRC-base size 00		ISA05090
Cover for HRC-base size 1		ISA05091
Cover for HRC-base size 2		ISA05092
V-connection terminal VK160, 35-70mm ²		IS505040
Connecting Strap 2 x M 8 - 1 x V-terminal 2 x 35-70 mm ²		IS505099
V-double terminal 2x35-70mm ² sm		IS505018
V-connection terminal 2 x 50-185mm ²		IS505219
V-connection-bridge VB 2x50/2		IS505102
V-connection-bridge VB 1x50/3		IS505104
Connecting Strap M8 - 1 x V-terminal, VK160		IS505098
V-connection terminal VK 400, 35-185mm ²		IS505200
Insulating cap for V-terminal VK400		ISA05193
V-connection tap M12		IS505201
Busbar 1 m/20 x 3 mm holed, 8,5 Ø, hole distance 32 mm (CU-weight 540 g)		IS505100
Fuse handle for HRC-fuses		ISA05211
Insulating cap for V-terminal VK160 (IS505040)		IS505028
Phase separation plate size 00, type short TW5		IS505088

■ Fuse base size 000 (100 A), for 60mm busbar-system, series ARROW II



ISA05019

■ Schrack-Info

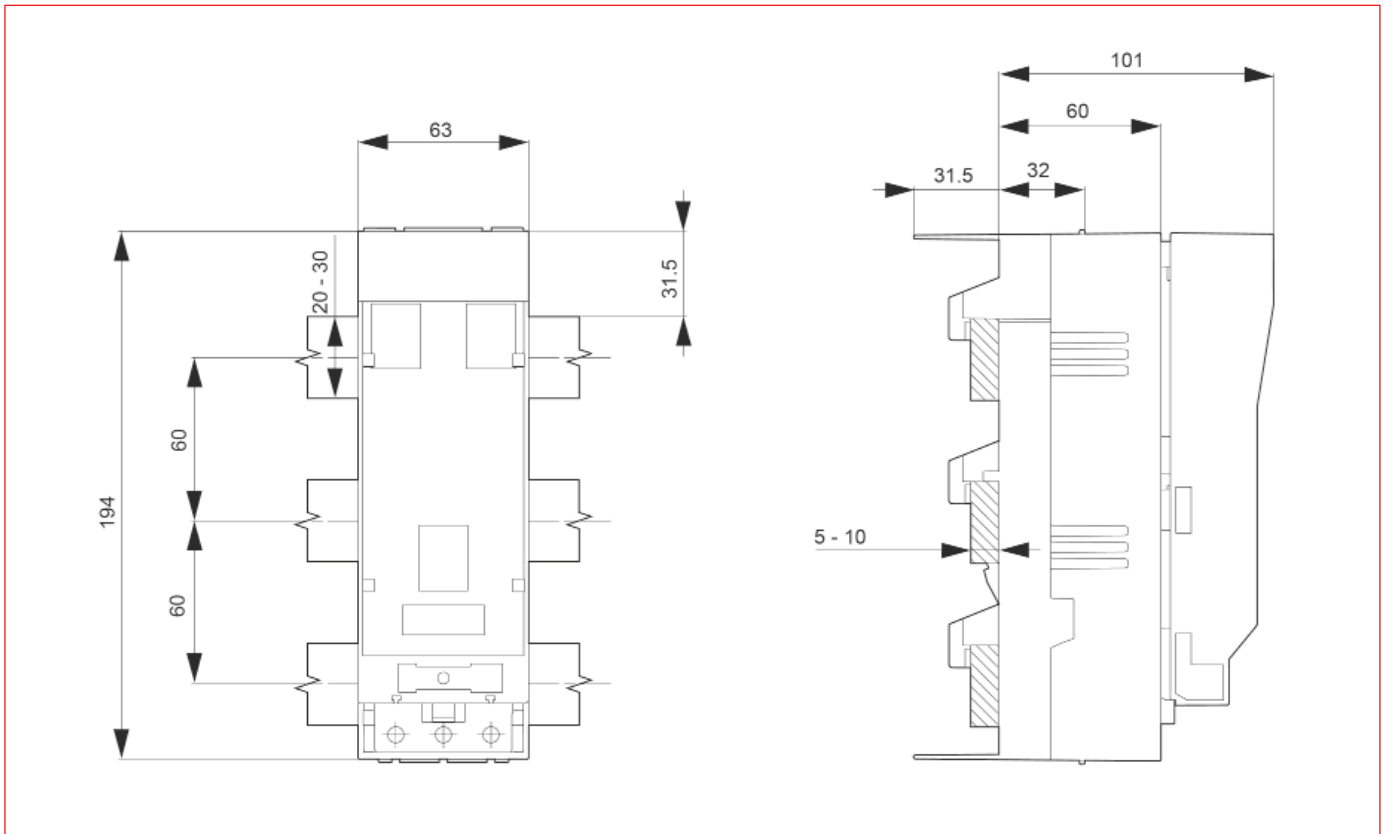
- Compact design, 63mm installation width
- Snap on installation without screws
- For busbars with 12-30 mm width and 5-10 mm thickness

Size	NH000
Poles	3
Applicable for fuse-links	NH000
Standard	IEC/EN 60 947-3
Type of installation	Busbar mounting
Busbar distance	60mm
Switching mode	3pole switchable
Rated operating voltage	500V
Rated operating current	125A
Conv. free air thermal current with fuse-links	125A
Conv. free air thermal current with solid links	160A
Rated impulse voltage	8kV
Rated isolation voltage	500V
Rated frequency	40 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (500V/125A)
	DC-22B (220V/100A)
Rated conditional short-circuit current	50kA (AC 500V)
Max. permissible power dissipation per fuse-link	8W
Ambient temperature	-25 up to +55 °C
	>35 °C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP20
Direction of cable terminal	bottom side
Terminal type	Elevator-clamp
Clamping range	1,5 - 50mm ² Cu
Isolation strength	max. 20mm
Tightening torque	2,6Nm

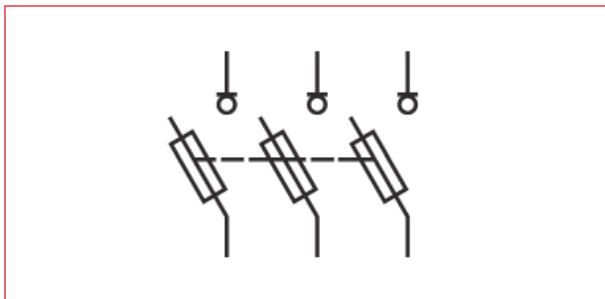
NH-fuse-material series ARROW

■ Fuse base size 000 (100 A), for 60mm busbar-system, series ARROW II

■ Dimensions

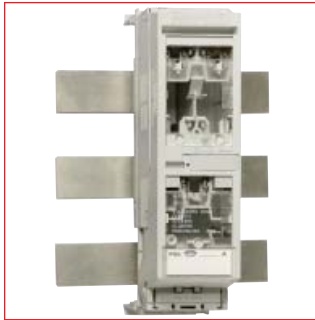


■ ISA05019 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Arrow Bloc C00 for 60mm busbar inout bottom		ISA05019

■ Fuse base size 000 (100 A), for 60mm busbar-system, 54mm wide



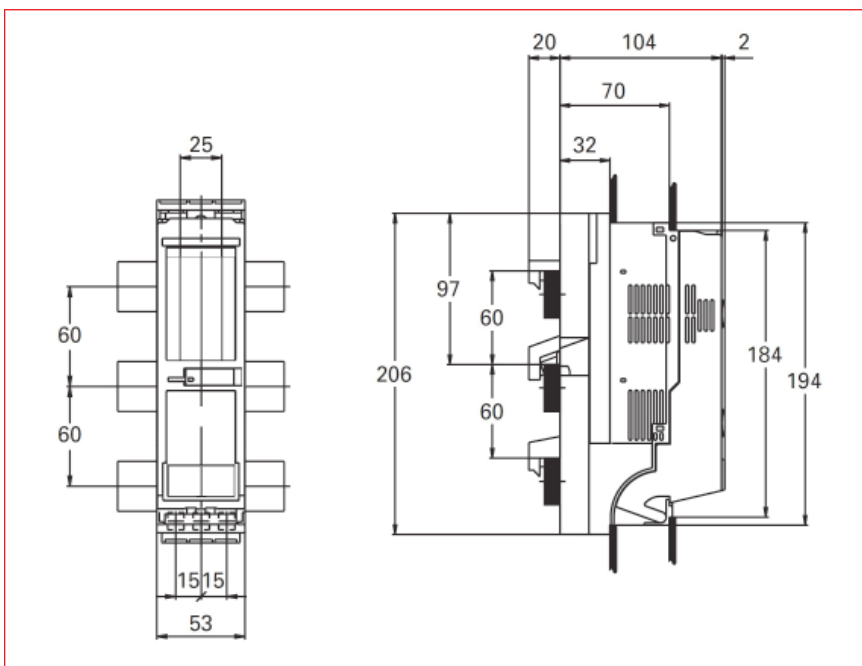
IS505019-B

■ Schrack-Info

- Device width 54 mm
- Touch protection IP 3x
- Lid lock combined with sealing
- Connection box terminal up to 2.5-50mm²

Size	000
Poles / Phases	3
Conventional thermal current in free air with NH-fuse links I_n	100A
Busbar system	60mm
Busbar high	20-30mm
Busbar thickness	5 or 10mm
Standard	IEC/EN 60947-3
Utilisation category / Rated operation voltage U_e / Rated operation current I_e	AC 22 B / $U_e = 690V / I_e = 100A$ DC 21 B / $U_e = 440V / I_e = 100A$
Rated operation voltage U_e	690V
Rated isolation voltage U_i	750V
Rated impulse withstand voltage U_{imp}	8kV
Rated frequency	50-60Hz
Maximum permissible rated power output of the NH fuse links P_n	12W
Protection class	IP20
Pollution degree	3
Rated duty continuous operation	non-stop operation
Rated conditional short circuit current for protection by fuses:	AC 50kA (690V/500V) DC 25kA (220V/440V)
Electrical live (operations)	300
Mechanical live (operations)	1700
Overvoltage category	III
Standard connection	lift-terminal
Terminal capacity	1,5-50mm ²

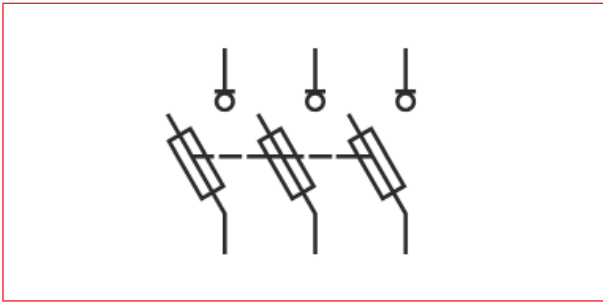
■ Dimensions



NH-fuse-material series ARROW

■ Fuse base size 000 (100 A), for 60mm busbar-system, 54mm wide

■ IS505019 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Arrow Bloc C00 for 60mm busbar system, output bottom		IS505019-B

■ Fuse base size 00 (160 A), for 60mm busbar-system, series ARROW II



ISA05223

Size	NH00
Poles	3
Applicable for fuse-links	NH000 and NH00
Type of installation	Busbar mounting
Busbar distance	40, 50 and 60mm
Switching mode	3pole switchable
Rated operating voltage	690V
Rated operating current	160A
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	40 - 60Hz
Utilisation category	AC-22B (500V/160A)
	AC-22B (690V/100A)
	DC-21B (440V/100A)
	DC-22B (220V/160A)
Rated conditional short-circuit current	50kA (AC 500V)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overtoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP20
Direction of cable terminal	variable
Cable terminal	Flat terminal M8

DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8, with window lock		ISA05223F

■ Fuse base size 00 (160 A), for busbar, series ARROW BLUE



ISA05223-A

■ Schrack-Info

- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

For LV HRC fuse-links acc. to DIN VDE 0636-2	Size 000/00
Standard	IEC/DIN/EN 60947-3 / VDE 0660-107
Rated operational voltage U_e	690V-AC 440V-DC
Rated operational current ¹⁾ I_n	160 A
Rated frequency f	40 - 60 Hz
Rated insulation voltage U_i	800V-AC
Total power loss at I_n (without fuse-links) P_V	14W
Rated impulse withstand voltage U_{imp}	8kV
Utilisation category ²⁾	AC-23B (400V/160A) ^{2b)}
	AC-22B (500V/160A) ^{2b)}
	AC-21B (690V/160A) ^{2b)}
	DC-22B (250V/160A) ^{2b)}
	DC-21B (440V/160A) ^{2c)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2b)}
	100 (690V) ^{2b)}
Rated short-time withstand current I_{cw}	7 kA (1s)
Max. permis. power loss per fuse-link P_a	12 W
Degree of protection	Front side, operating condition IP20
	With clamp- and lateral cover IP20XC
	switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 up to +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overvoltage category	III
Cable terminal, flat terminal	Bolt diameter M8
	Tightening torque M_n 12-15 Nm
Cable terminal, clip terminal	Clamping cross-section conductor round 1,5 - 70 mm ² copper
	busbar 6 x 9 x 0,8
	Tightening torque M_n 2,6 Nm

¹⁾ In case of mounting of several units in low voltage switch-gear-combinations, please consider rated diversity factors acc. to EN 61439-1.

²⁾ It must be considered a minimum distance to earthed, conductive parts:

^{2b)} Lateral: 20mm / Above: 50mm

^{2c)} Lateral: 50mm / Above: 100mm

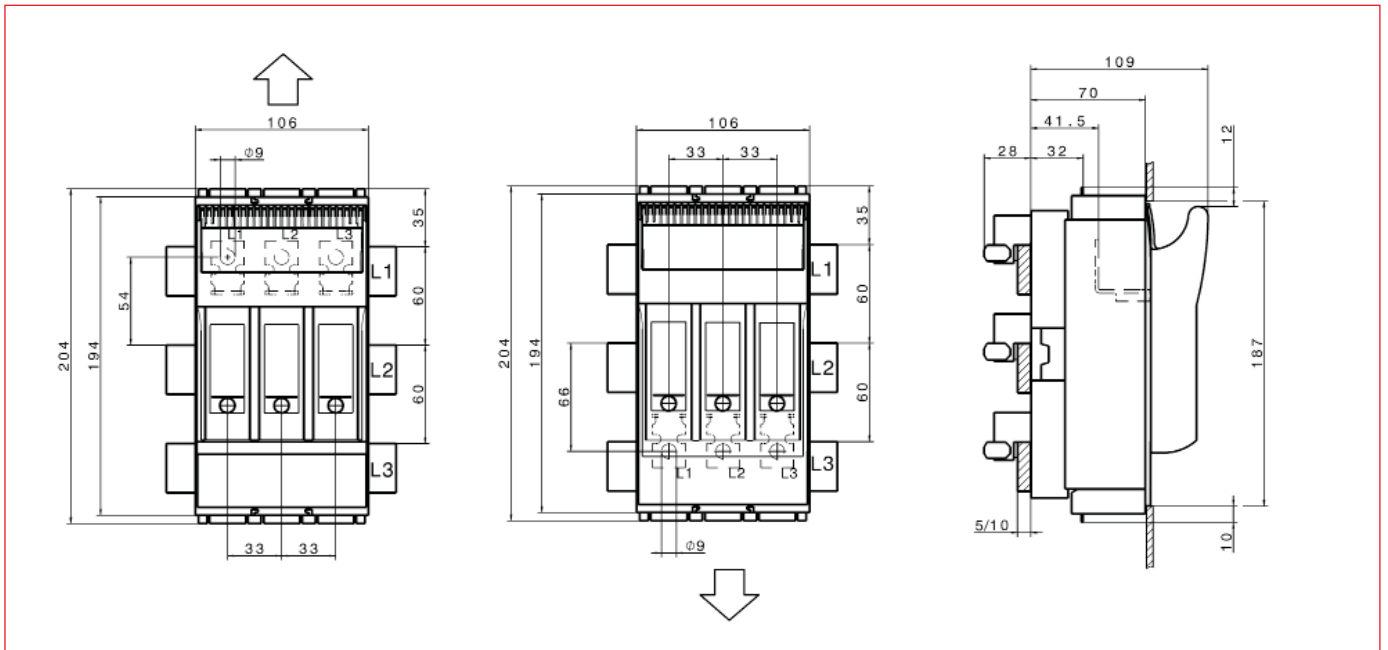
³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current

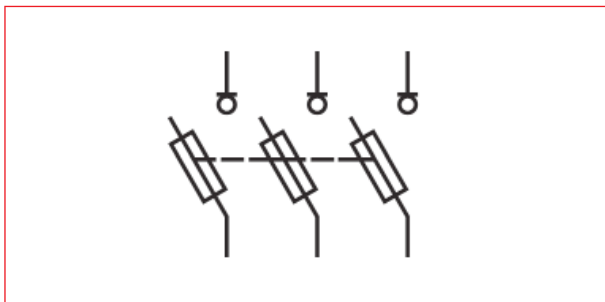
NH-fuse-material series ARROW

■ Fuse base size 00 (160 A), for busbar, series ARROW BLUE

■ Dimensions



■ ISA05223-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8		ISA05223-A
Single clamp strap size 00		ISA05300
Prism clamp 1,5-70mm ² for size 00		ISA05335


■ Fuse base size 1 (250 A), for 60mm busbar-system, series ARROW II



ISA05290

■ Technical Data

Size	NH1	NH2
Poles:	3	3
Type of installation	Busbar mounting	Busbar mounting
Busbar-system	60 mm	60 mm
Switching mode	3- pole switchable	3- pole switchable
Rated operating voltage	690 V	690 V
Rated operating current	250 A	400 A
Utilisation category	AC-22B (500 V / 250 A) AC-22B (690 V / 200 A) DC-21B (440 V / 200 A) DC-22B (220 V / 250 A)	AC-22B (500 V / 400 A) AC-22B (690 V / 315 A) DC-21B (440 V / 315 A) DC-22B (220 V / 400 A)
Rated conditional short-circuit current	50 kA [AC 500 V]	80 kA [AC 500 V]
Max. permissible power dissipation per fuse-link	23 W	34 W
Ambient temperature	-25 up to + 55 °C > 35 °C derating of rated current required	
Type of Actuation	Dependent manual operation	
Mounting position	vertical / horizontal	
Altitude	2000 m	
Pollution degree	3	
Overvoltage category	III	
Degree of protection	IP20	
Connection side	top or bottom	
Cable terminal	Flat terminal M10	Flat terminal M10
Cable lug M8 (DIN 46 235)	1 x 25-150 mm ² <IB:/sup>	1 x 25-240 mm ² <IB:/sup>
Busbar size	30 x 10	30 x 10
Torque	30-35 Nm	30-35 Nm

DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10, outlet bottom		ISA05290
Size 1, 3-pole, 250A, M10, outlet top		ISA05291



■ Fuse base size 1 (250 A), for 60mm busbar-system, series ARROW BLUE



ISA05290-A

■ Schrack-Info

- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 1
Rated operational voltage U_n	690VAC / 440V-DC
Rated operational current ¹⁾ I_n	250A
Conv. free air thermal current with fuse-links ¹⁾ I_{th}	250A
Rated frequency f	40-60Hz
Rated insulation voltage U_i	800V-AC
Total power loss at I_{th} (without fuse-links) P_v	22W
Rated impulse withstand voltage U_{imp}	8kV
Utilisation category ²⁾	AC-23B (400V/250A) ^{2b)}
	AC-22B (500V/250A) ^{2b)}
	AC-21B (690V/250A) ^{2b)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2b)}
	100 (690V) ^{2b)}
Rated short-time withstand current I_{cw}	10kA(1s)
Max. permis. power loss per fuse-link P_a	23W
Degree of protection, front side	Operating condition IP20
	With clamp- and lateral cover IP20XC
	switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 up to +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overvoltage category	III
Cable terminal	Flat terminal, Bolt diameter M10
	Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switch-gear-combinations, please consider rated diversity factors acc. to EN 61439-1.

²⁾ It must be considered a minimum distance to earthed, conductive parts:

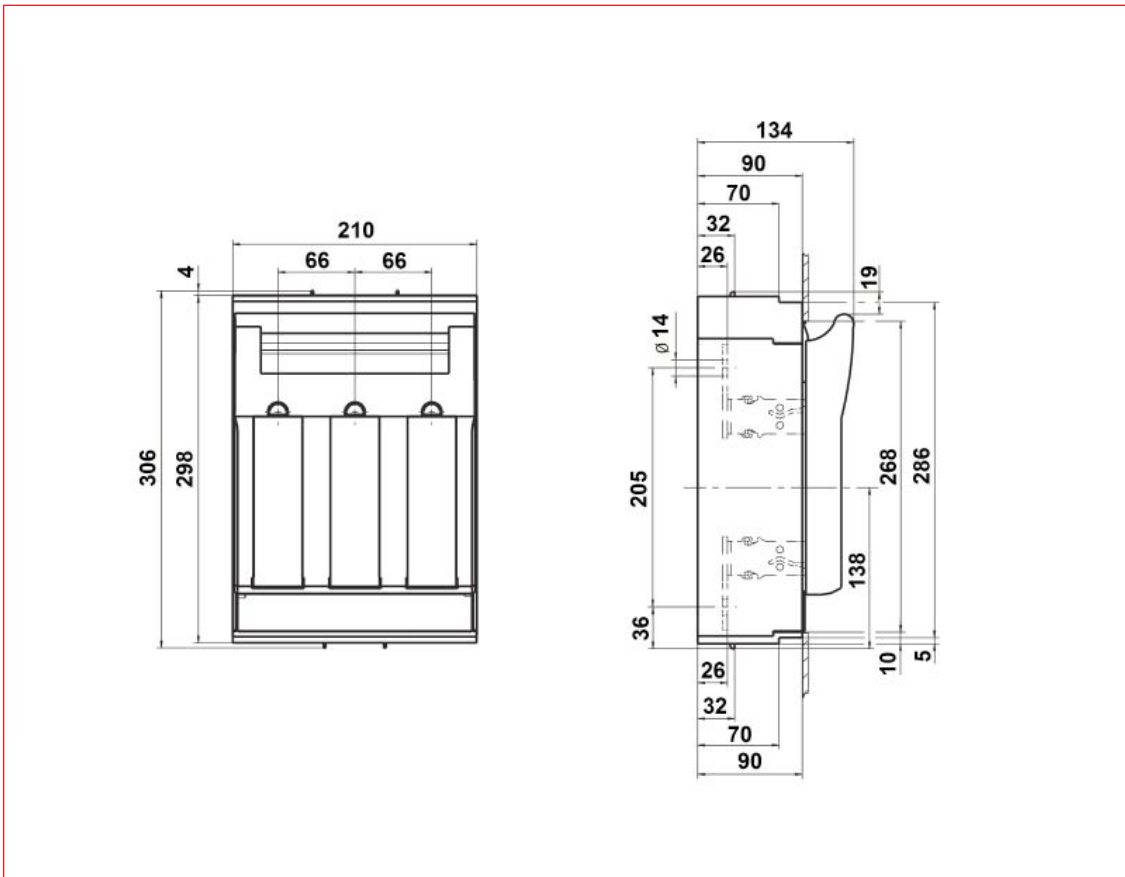
^{2b)} Lateral: 20mm / Above: 50mm

³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

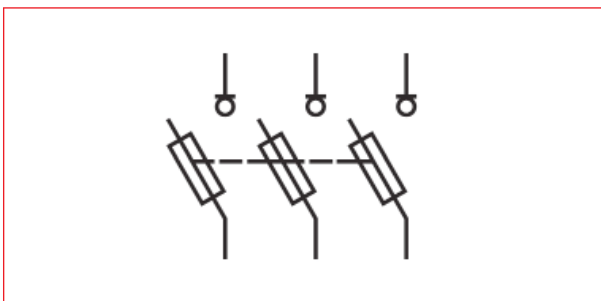
⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current


▀ Fuse base size 1 (250 A), for 60mm busbar-system, series ARROW BLUE

▀ Dimensions



▀ ISA05290-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10, outlet top or bottom		ISA05290-A

NH-fuse-material series ARROW


■ Fuse base size 2 (400 A), for 60mm busbar-system, series ARROW II



ISA05251

■ Technical Data

Size	NH1	NH2
Poles:	3	3
Type of installation	Busbar mounting	Busbar mounting
Busbar-system	60 mm	60 mm
Switching mode	3- pole switchable	3- pole switchable
Rated operating voltage	690 V	690 V
Rated operating current	250 A	400 A
Utilisation category	AC-22B (500 V / 250 A) AC-22B (690 V / 200 A) DC-21B (440 V / 200 A) DC-22B (220 V / 250 A)	AC-22B (500 V / 400 A) AC-22B (690 V / 315 A) DC-21B (440 V / 315 A) DC-22B (220 V / 400 A)
Rated conditional short-circuit current	50 kA (AC 500 V)	80 kA (AC 500 V)
Max. permissible power dissipation per fuse-link	23 W	34 W
Ambient temperature	-25 up to + 55 °C > 35 °C derating of rated current required	
Type of Actuation	Dependent manual operation	
Mounting position	vertical / horizontal	
Altitude	2000 m	
Pollution degree	3	
Overtoltage category	III	
Degree of protection	IP20	
Connection side	top or bottom	
Cable terminal	Flat terminal M10	Flat terminal M10
Cable lug M8 (DIN 46 235)	1 x 25-150 mm ² ^{B:}	1 x 25-240 mm ² ^{B:}
Busbar size	30 x 10	30 x 10
Torque	30-35 Nm	30-35 Nm

DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet bottom		ISA05251

■ Fuse base size 2 (400 A), for 60mm busbar-system, series ARROW BLUE



ISA05251-A

■ Schrack-Info

- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 2
Rated operational voltage U_e	690VAC / 440 V DC
Rated operational current ¹⁾ I_n	400A
Conv. free air thermal current with fuse-links ¹⁾ I_{th}	400A
Rated frequency f	40-60Hz
Rated insulation voltage U_i	800 V AC
Total power loss at Ith (without fuse-links) P_v	22W
Rated impulse withstand voltage U_{imp}	8kV
Utilisation category ²⁾	AC-23B (400V/400A) ^{2b)}
	AC-22B (500V/400A) ^{2b)}
	AC-21B (690V/400A) ^{2b)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2b)}
	100 (690V) ^{2b)}
Rated short-time withstand current I_{cw}	10kA(1s)
Max. permis. power loss per fuse-link P_n	34W
Degree of protection, front side	Operating condition IP20
	With clamp- and lateral cover IP20XC
	switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 up to +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overvoltage category	III
Cable terminal	Flat terminal, Bolt diameter M10
	Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switch-gear-combinations, please consider rated diversity factors acc. to EN 61439-1.

²⁾ It must be considered a minimum distance to earthed, conductive parts:

^{2b)} Lateral: 20mm / Above: 50mm

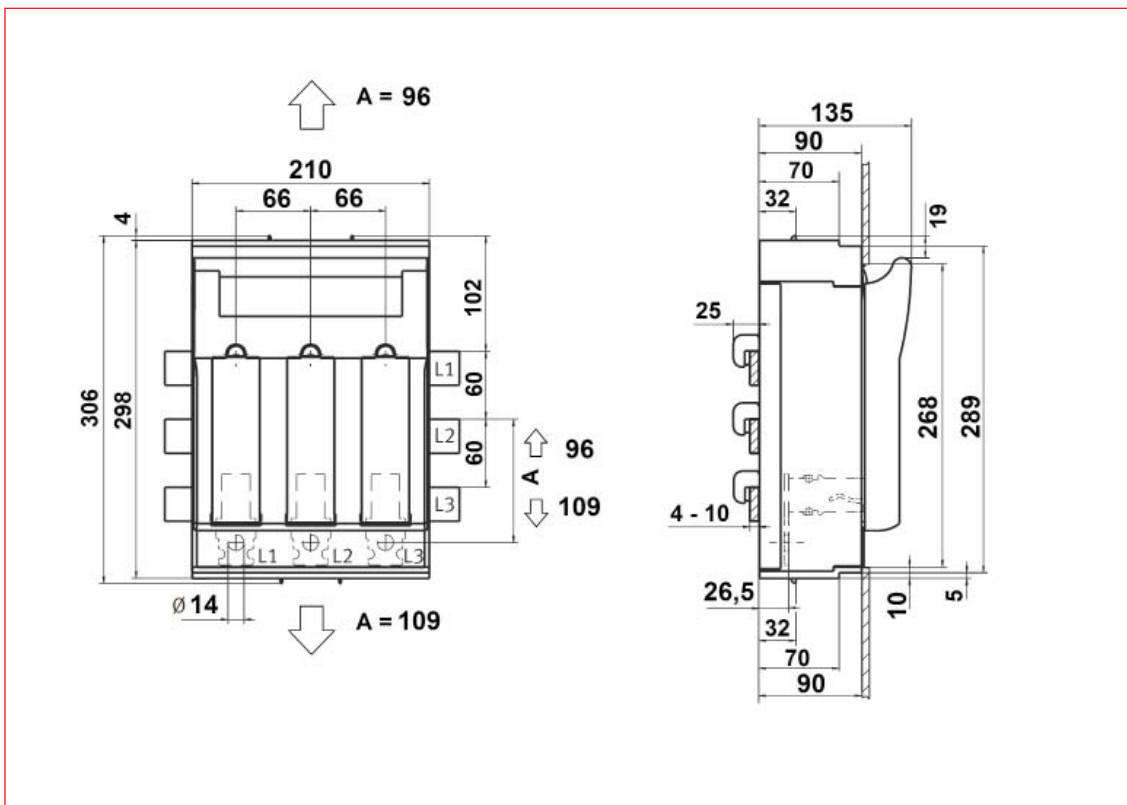
³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current

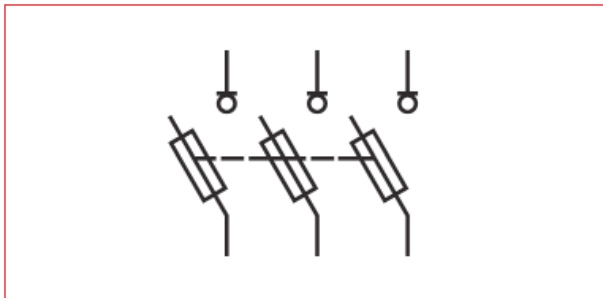
NH-fuse-material series ARROW


▀ Fuse base size 2 (400 A), for 60mm busbar-system, series ARROW BLUE

▀ Dimensions

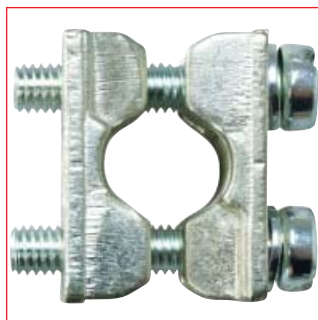


▀ ISA05251-A Wiring diagram









DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet top or bottom		ISA05251-A

Accessories for 60mm busbar-system, series ARROW BLUE



ISA05335

DESCRIPTION	AVAILABLE	ORDER NO.
Single clamp strap size 00		ISA05300
Clip terminal ARROW BLUE size 1		ISA05740-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00		ISA05709-A
Prism clamp 1,5-70mm ² for size 00		ISA05335
Overlap protector for busbar system 32 mm for ARROW BLUE size 00		ISA05710-A
Clamp terminal ARROW BLUE size 1		ISA05742-A
Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00		ISA05711-A
Boxterminal ARROW BLUE size 1		ISA05744-A
Clip terminal ARROW BLUE size 2		ISA05741-A
Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00		ISA05712-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1		ISA05713-A
Clamp terminal ARROW BLUE size 2		ISA05743-A
Boxterminal ARROW BLUE size 2 and size 3		ISA05745-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 1		ISA05714-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2		ISA05715-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 2		ISA05716-A



■ Fuse loadbreak-disconnectors size 00 (160A), for 60mm busbar-system, series ARROW II



ISA05260

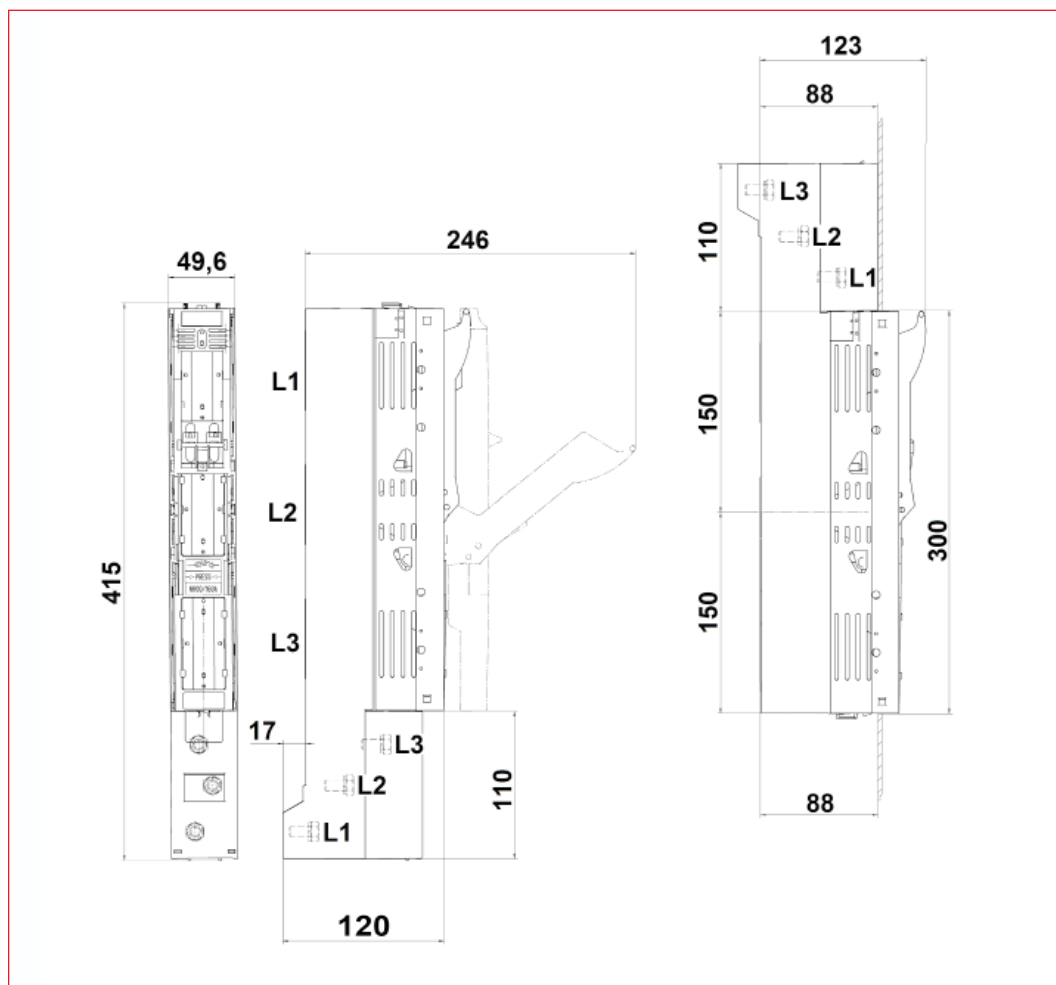
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector with adapter for 60mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

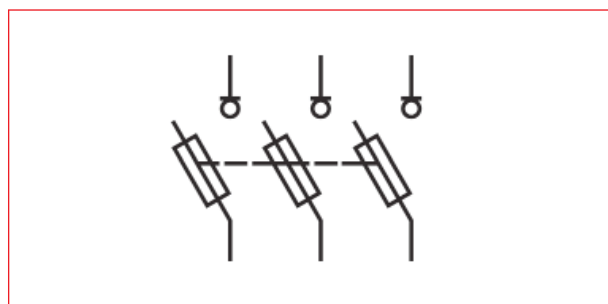
Size	NH00
Standards	IEC/EN60947-3
Busbar distance	60mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH000 and NH00
Rated operating voltage	690V
Rated operating current	160A
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-circuit current	80kA (AC 500V)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm ² (max. 25mm width)
Tightening torque	12-15 Nm

■ Fuse loadbreak-disconnectors size 00 (160A), for 60mm busbar-system, series ARROW II

■ Dimensions



■ ISA05260 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8		ISA05260



■ Fuse loadbreak-disconnectors size 00 (160A), for 60mm busbar-system, series ARROW II



ISA05261

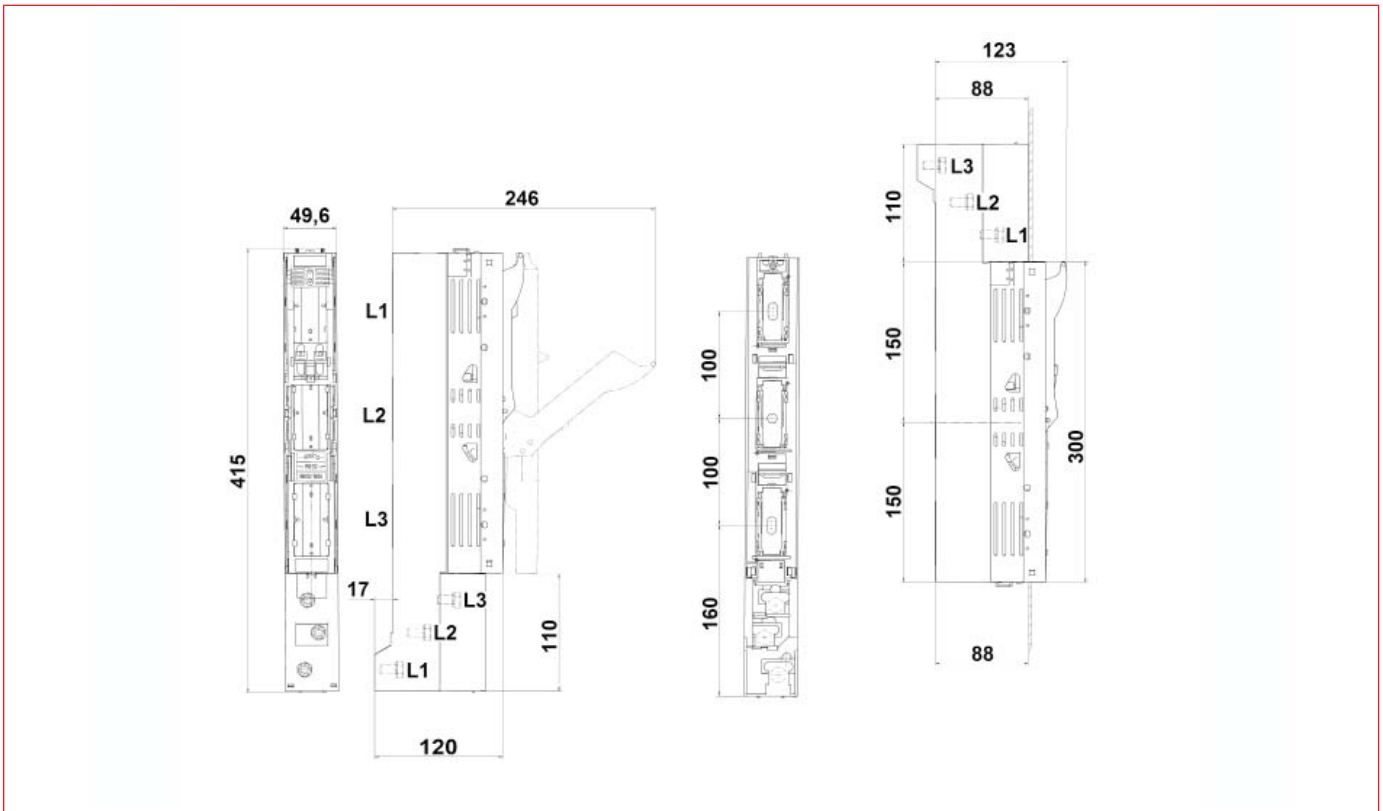
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 100mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

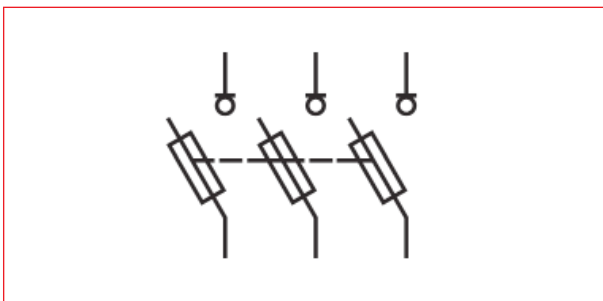
Size	NH00
Standards	IEC/EN60947-3
Busbar distance	100mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH000 and NH00
Rated operating voltage	690V
Rated operating current	160A
Current measurement	No
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-circuit current	80kA (AC 500V)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm ² (max. 25mm width)
Tightening torque	12-15 Nm

■ Fuse loadbreak-disconnectors size 00 (160A), for 60mm busbar-system, series ARROW II

■ Dimensions



■ ISA05261 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Adapter for 2 strips, size 00 - 100mm, clamp fixation		ISA05323
Cover for Double adapter for busbar 185mm		ISA05328
ARROW LINE size 00, 3 pole, f. 100mm busbar with Window bloc		ISA05261 F
Size 00, 3-pole, 160A, M8, for 100 mm busbar-system		ISA05261
Single adapter f/busbar 185mm		ISA05327
Double adapter f/busbar 185mm		ISA05326
Forked clamp HRC-00		ISA05325
Single clamp strap size 00		ISA05300
Prism clamp 1,5-70mm ² for size 00		ISA05335



■ NH-Line (HRC) fuse load-breaker size 00 (160A), for 185mm busbar-system, series ARROW II



ISA05304

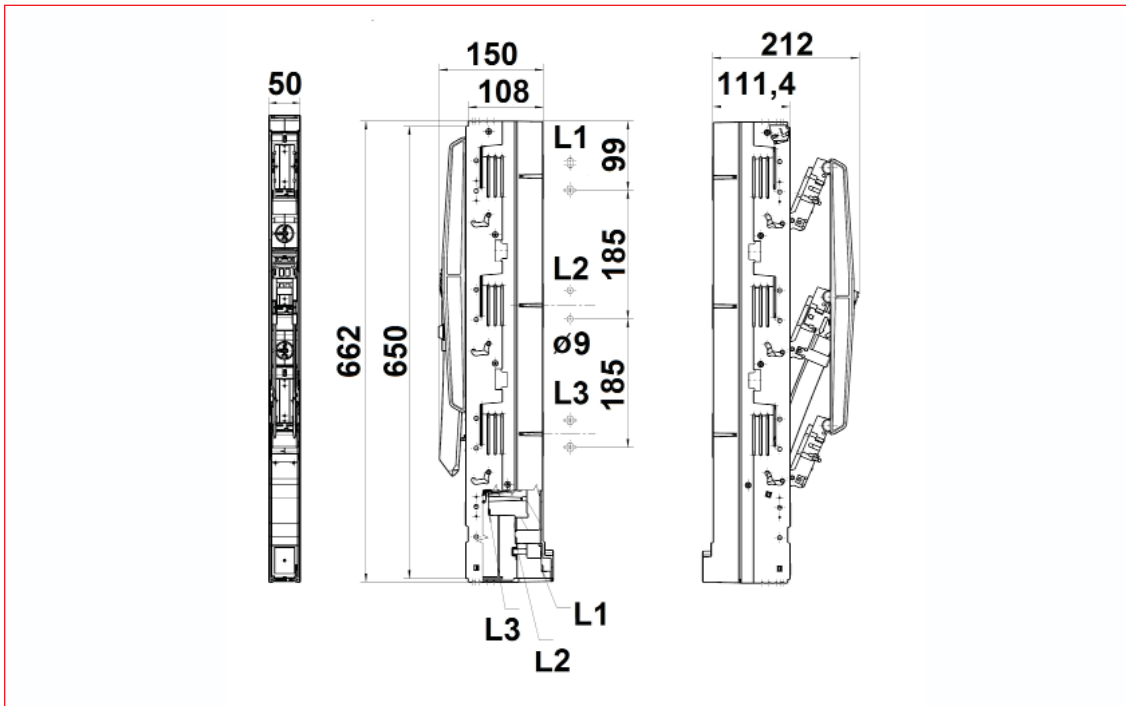
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

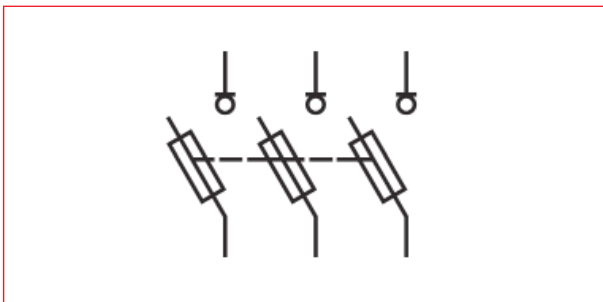
Size	NH00
Standards	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH000 / NH00
Rated operating voltage	690V
Rated operating current	160A
Current measurement	No
Conv. free air thermal current with fuse-links	160A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-circuit current	120kA [AC 500V]
	100kA [AC 690V]
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C >35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm ² (max. 25mm width)
Tightening torque	12-15Nm


■ NH-Line (HRC) fuse load-breaker size 00 (160A), for 185mm busbar-system, series ARROW II

■ Dimensions



■ ISA05304 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
HRC-in-line-fuse ARROW LINE size 00, 3pole, 185mm-system		ISA05304
HRC-fuse-base for 185mm busbar system		ISA05172



■ Fuse loadbreak-disconnectors size 1 (250A), for 185mm busbar-system, series ARROW II



ISA05305

■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

Size	NH1
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1
Rated operating voltage	690V
Rated operating current	250A
Current measurement	No
Conv. free air thermal current with fuse-links	250A
Conv. free air thermal current with solid links	400A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	23W
Utilisation category	AC-22B (250A/500V)
	AC-22B (250A/690V)
	AC-23B (250A/400V)
Rated conditional short-circuit current	120 (AC 500V)(kA)
Max. permissible power dissipation per fuse-link	32W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal ISA05305	Flat terminal M10
	Cable lug (DIN 46 235) 1 x 25-150mm ²
	Tightening torque 30-35Nm
Cable terminal ISA05305	V-box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ Fuse loadbreak-disconnectors size 2 (400A), for 185mm busbar-system, series ARROW II



ISA05311

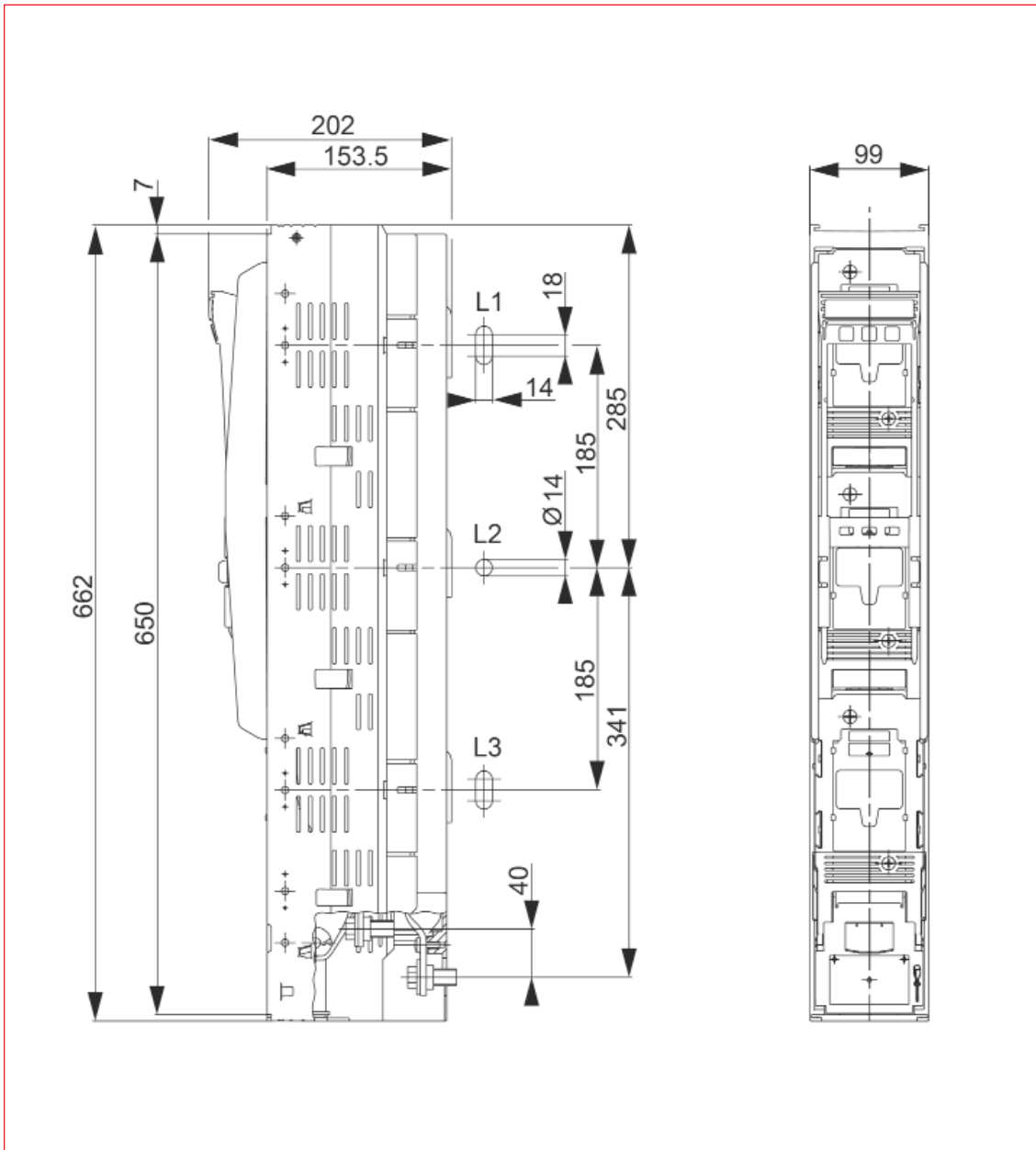
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

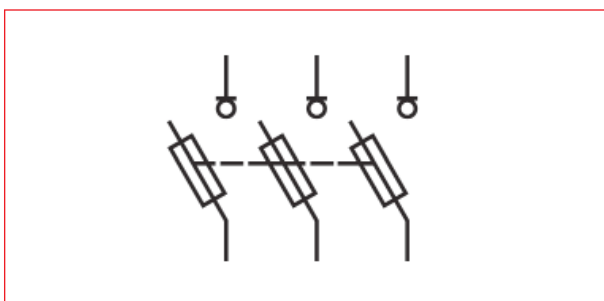
Size	NH2
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1 and NH2
Rated operating voltage	690V
Rated operating current	400A
Current measurement	No
Conv. free air thermal current with fuse-links	400A
Conv. free air thermal current with solid links	630A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	54W
Utilisation category	AC-21B (400A/690V)
	AC-22B (400A/500V)
	AC-23B (400A/400V)
Rated conditional short-circuit current	120kA (AC 500V)
Max. permissible power dissipation per fuse-link	45W
Ambient temperature	-25 up to +55°C
Ambient temperature	>35°C derating of rated current required
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP30
Cable terminal ISA05311	Flat terminal M12
	Cable lug (DIN 46 235) 1 x 25-240mm ²
	Tightening torque 30-35Nm
Cable terminal ISA05312	V-box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ Fuse loadbreak-disconnectors size 2 (400A), for 185mm busbar-system, series ARROW II

■ ISA05311 Dimensions



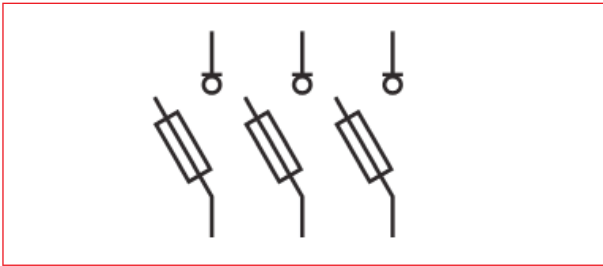
■ ISA05311 / ISA05312 Wiring diagram



NH-fuse-material series ARROW

■ Fuse loadbreak-disconnectors size 2 (400A), for 185mm busbar-system, series ARROW II

■ ISA05352 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M12		ISA05311
Size 2, 3-pole, 400A, with V-terminal		ISA05312
ARROW LINE size 2, 3pole, 1 pol switchable, 185mm w. V-term.		ISA05352
HRC-in-line-fuse ARROW LINE size 2, 3pole, 185mm, M12		ISA05342
Size 2, 3-pole, 400A, M12, with window-bloc		ISA05311F

■ Fuse loadbreak-disconnectors size 3 (630A), for 185mm busbar-system, series ARROW II



ISA05320

■ Schrack-Info

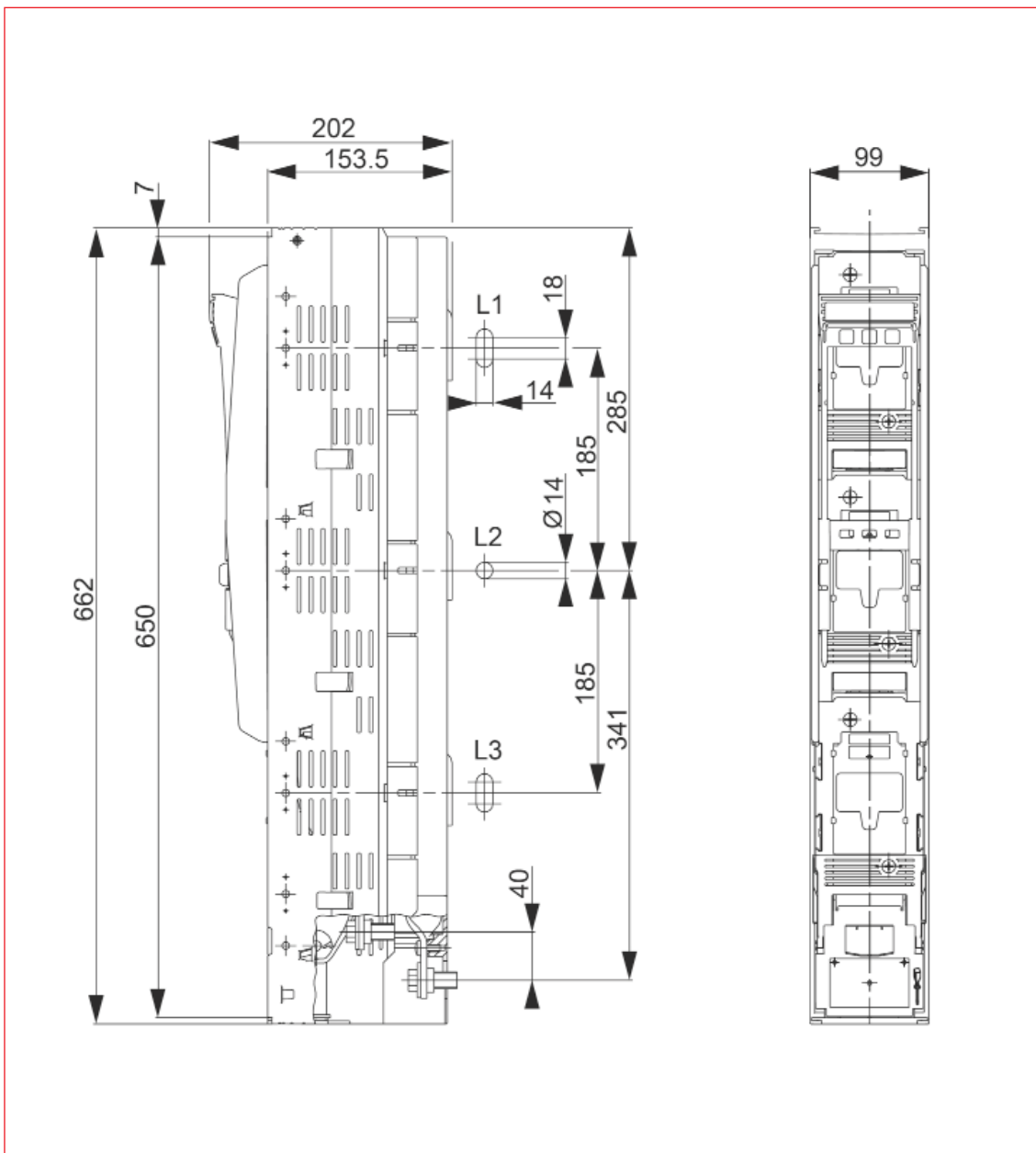
- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

Size	NH3
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1, NH2 and NH3
Rated operating voltage	690V
Rated operating current	630A
Current measurement	No
Conv. free air thermal current with fuse-links	630A
Conv. free air thermal current with solid links	800A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	115W
Utilisation category	AC-21B (630A/690V)
	AC-22B (630A/500V)
	AC-23B (630A/400V)
Rated conditional short-circuit current	120kA (AC 500V)
Rated short-time withstand current	10kA
Max. permissible power dissipation per fuse-link	48W
Ambient temperature	-25 up to +55°C
Ambient temperature	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP30
Cable terminal ISA05320	Flat terminal M12
	Cable lug (DIN 46 235) 1 x 25-300mm ² (max. 43mm width)
	Tightening torque 35-40Nm
Cable terminal ISA05321	V box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

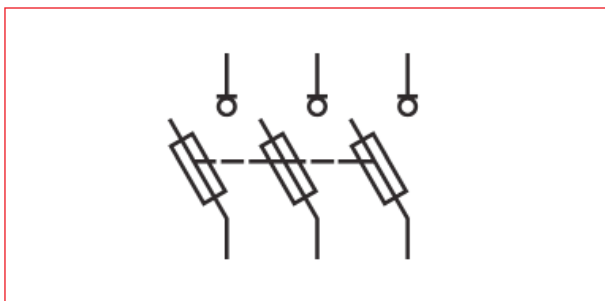
NH-fuse-material series ARROW

■ Fuse loadbreak-disconnectors size 3 (630A), for 185mm busbar-system, series ARROW II

■ ISA05320 Dimensions

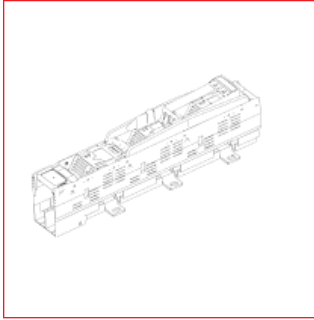


■ ISA05320 / ISA05321 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size3, 3-pole, 630A, M12		ISA05320
Size3, 3-pole, 630A, with V-terminal		ISA05321
HRC-in-line-fuse ARROW LINE size 3, 3pole, 185mm, M12		ISA05343

■ NH-Line (HRC) fuse load-breaker size 3 (630A), for 185mm busbar-system, series ARROW II



ISA05331

■ Schrack-Info

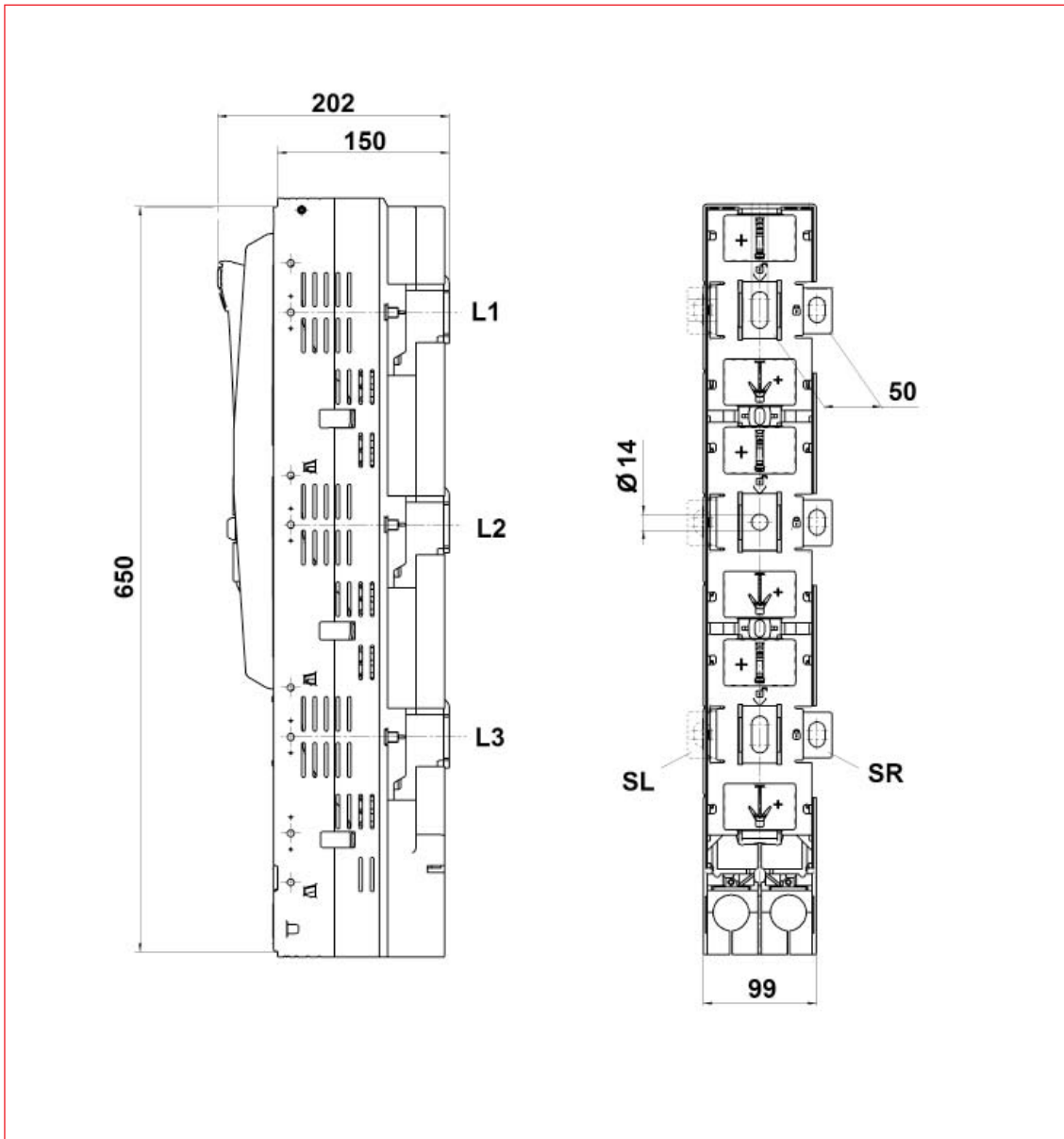
- Busbar coupler, Terminal at right or left side with screw M12
- With cable connection at bottom side, optional at top side
- Width 100mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact

Size	NH3
Product Lifecycle	Active product
Standard	IEC/EN60947-3
Special features	Busbar coupler
	ISA05330: Terminal at left side with screw M12
	ISA05331: Terminal at right side with screw M12
Rated operating current	630A
Size	NH3
Busbar distance	185mm
Rated operating voltage	690V
Conv. free air thermal current with fuse-links	630A
Rated conditional short-circuit current	120 (AC 500V)kA
Conv. free air thermal current with solid links	800A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Utilisation category	AC-21B (630A/690V)
	AC-22B (630A/500V)
	AC-23B (630A/400V)
Max. permissible power dissipation per fuse-link	48W
Ambient temperature	-25 up to +55 (>35 derating of rated current required) °C
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Rated short-time withstand current	15kA
Applicable for fuse-links	
Cable terminal	busbar terminal M12 - busbar coupler
Degree of protection	IP30

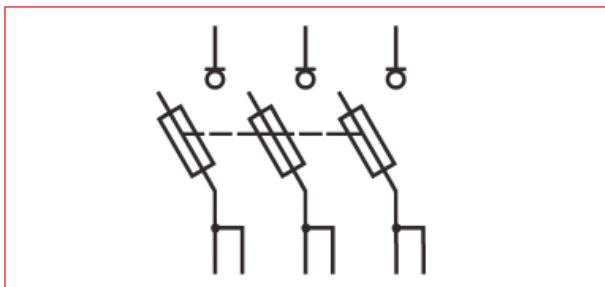
NH-fuse-material series ARROW

■ NH-Line (HRC) fuse load-breaker size 3 (630A), for 185mm busbar-system, series ARROW II

■ ISA05330 / ISA05331 Dimensions



■ ISA05330 / ISA05331



DESCRIPTION	AVAILABLE	ORDER NO.
Input-HRC-in-line-fuse ARROW LINE size3, 3pole, 185mm, left		ISA05330
Input-HRC-in-line-fuse ARROW LINE size3, 3pole, 185mm, right		ISA05331

■ Fuse bases, for 60 mm busbar-system



ISA05334







ISA05730



ISA05329

■ Schrack-Info

- Accessories for NH (HRC)-strip-type fuse-switch-disconnector, series ARROW II
- Fuse links and knife links are in the chapter accessories for NH (HRC) - material

DESCRIPTION	AVAILABLE	ORDER NO.
Terminals for drillingfree mounting Set with 3pcs.		ISA05333
Current transformer 150A for ARROW LINE with CT-mounting		ISA05345
Current transformer 400A for ARROW LINE with CT-mounting		ISA05347
Current transformer 600A for ARROW LINE with CT-mounting		ISA05348
V-double-clamp retrofit kit, size 1-3, 2 x 185 - 240mm ²		ISA05730
Adapterplate for L1 on ARROW LINE		ISA05729
Adjusting cover for ARROW II size 00 (1 pck = 2 pcs)		ISA05329
Cover one way		ISA05731
Cover cap for top or bottom terminal ARROW II 1-3		ISA05334



■ NH (HRC) fuses-load-breaker, size 000 (100A), series Wöhner



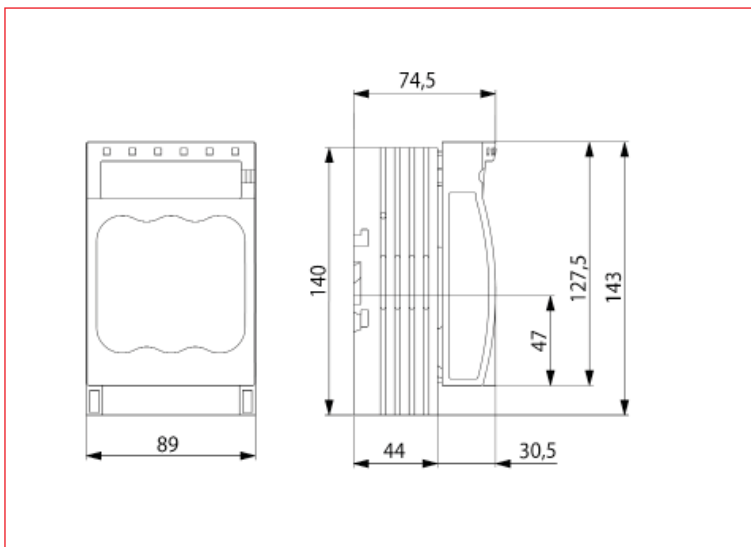
SI332170

■ Schrack-Info

- QUADRON® Panel-NH fuse switch-disconnector size 000, 125 A
- Spring-loaded copper contacts, silver plated
- Connection box terminal
- System: Mounting plate

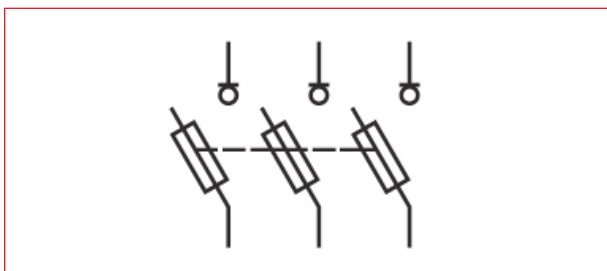
Rated current (IEC):	125 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400 V)
	AC-22B (500 V)
	AC-21B (690 V)
Category of use DC:	DC specifications: 2 current paths (L1, L3) in series
	DC-22B (440V/63A)
	DC-22B (220V/100A)
	DC-21B (440V/80A)
	DC-21B (220V/125A)
Power dissipation:	5W
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V
Approved with fuse links of characteristics: for fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 000 (max. 21 mm wide) up to 9W power dissipation	gG
Degree of protection IP30 at front, degree of protection near terminal depends on installation	
Front degree of protection:	IP30
Contacts:	spring-loaded copper contacts, silver plated
Terminal points	Box terminal:
	2,5 - 50mm ² flexible cables,
	1,5 - 50mm ² flexible cables with wire-end ferrules
	1,5 - 10mm ² solid round
	16 - 50mm ² stranded round
	(flexible cables of maximum cross-section may not fit when using wire-end ferrule)
	la. Cu. 6-9 mm wide
Terminal space 10mm x 10mm	

■ SI332170 Dimensions

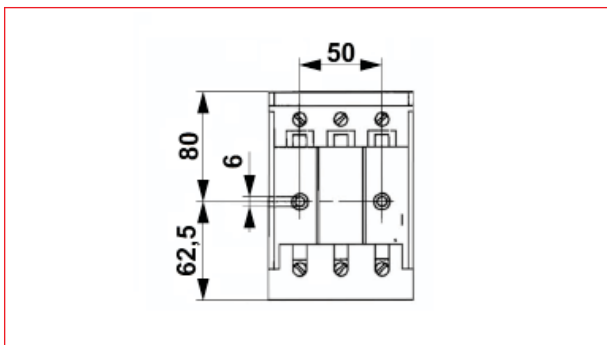


■ NH (HRC) fuses-load-breaker, size 000 (100A), series Wöhner

■ Wiring diagram



■ SI332170 Instructions for mounting



DESCRIPTION	AVAILABLE	ORDER NO.
Size 000, box-terminal 50 mm ² , for mountingplate, 125A		SI332170
Rapid mounting set for DIN-rail		SI332470
Busbar 35 mm ² , 3-pole, for 2 NH fuse switch disconnectors size 000, SI332170		SI339060



■ NH (HRC) fuses-load-breaker, size 00 (160A), series Wöhner



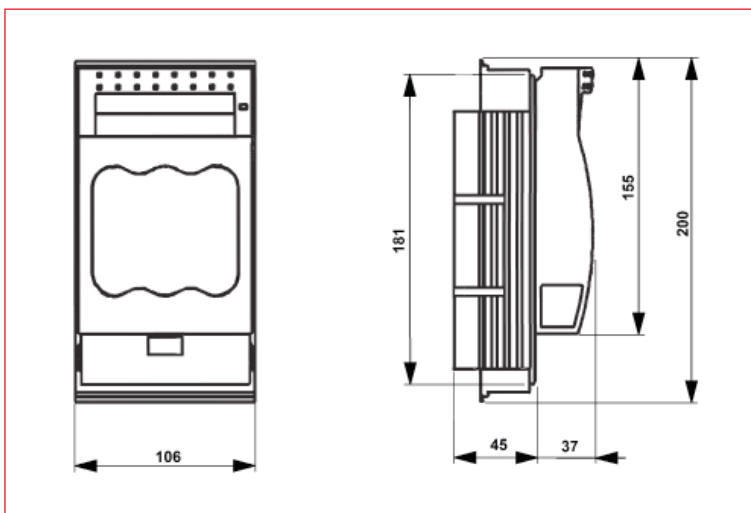
SI331990

■ Schrack-Info

- QUADRON® Panel-NH fuse switch-disconnector size 00, 160 A
- Spring-loaded copper contacts, silver plated
- Connection: cleat or M8
- System: Mounting plate
- Also available with fuse monitoring

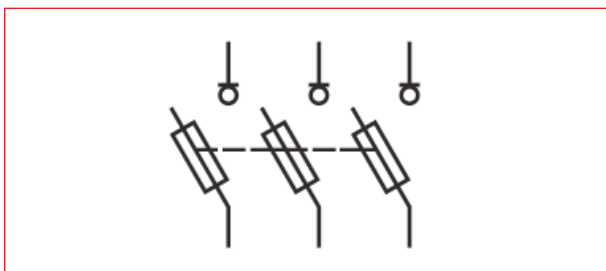
Rated current (IEC):	160 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400V)
	AC-23B (500V/125A)
	AC-22B (690V)
	AC-21B (690V)
	AC-20B (1000V) at level of soiling 2
	visible information required if used at more than 690V AC: do not switch under load
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series
	DC-22B (220V)
	DC-22B (440V/125A)
	DC-21B (440V)
	DC-20B (1000V) at level of soiling 2
	visible information required if used at more than 440V DC: do not switch under load
Power dissipation:	7W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Degree of protection IP30 at front, degree of protection near terminal depends on installation	
Front degree of protection:	IP30
Contacts:	spring-loaded copper contacts, silver plated
Terminal points screw:	M8
Terminal points clamp-type terminals :	1,5 - 70 mm ²
	flexible cables with wire-end ferrule,
	stranded round cables,
	la. Cu max. 12 mm wide, max. 10 mm thick
	Md 3 Nm

■ SI331990 Dimensions

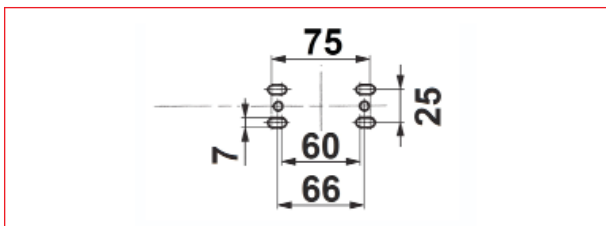


■ NH (HRC) fuses-load-breaker, size 00 (160A), series Wöhner

■ Wiring diagram



■ SI332010 Instructions for mounting



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, clamp-type terminal 70mm ² , 160A		SI331990
Size 00, screw-connection M8, 160A		SI332000
Size 00, clamp-type terminal, 160A, with electromechanical fuse monitoring		SI332070
Size 00, clamp-type terminal 70mm ² , 160A, with electronic fuse monitoring		SI333280
Size 00, screw-connection M8, 160A, with electronic fuse monitoring		SI333290
Size 00, Cross Link Switch, 3-pole, 125A		SI335020
Size 00, clamp-type terminal 70mm ² , with short protection cover, 160A		SI332210
Size 00, screw M8 with electromechanical fuse monitoring, 160A		SI332080
Comb type busbar, for 2 HRC fuse switch, size 00, SI332000 series Wöhner		SI333760
Comb type busbar, for 3 HRC fuse switch, size 00, SI332000 series Wöhner		SI333770
Size 00, Connection-terminal 25-95mm ² , also for comb type busbar		SI333780



■ NH (HRC) fuses-load-breaker, size 1 (250A), series Wöhner



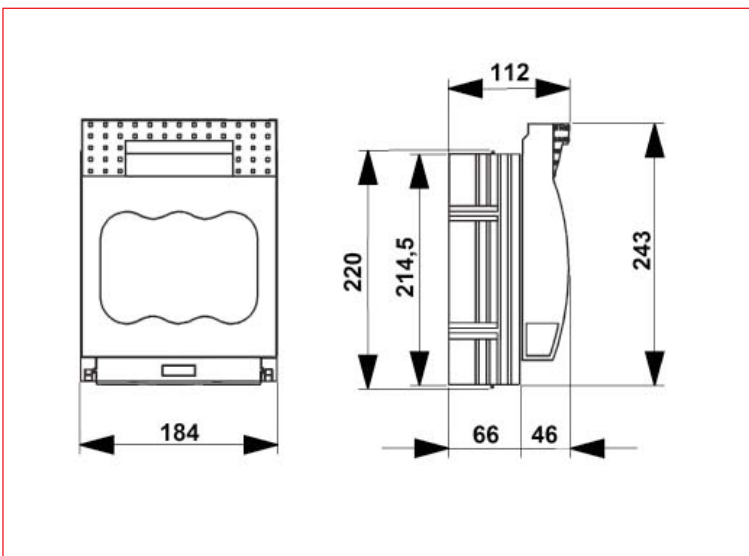
SI332010-A

■ Schrack-Info

- QUADRON® Panel-NH fuse switch-disconnector size 1, 250 A
- System: mounting plate
- Spring-loaded copper contacts, silver plated
- For safe connection of the leads, the shock protection is split into 2.
- Self-closing inspection holes are available in the cover.
- Also available with fuse monitoring.

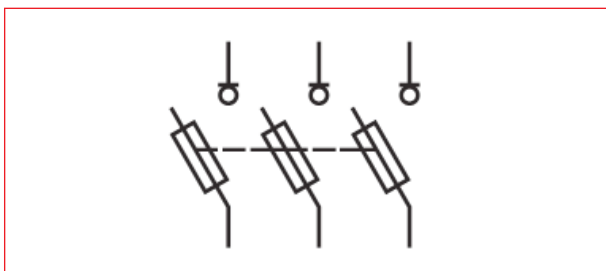
Rated current (IEC):	250 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-22B (400 V)
	AC-23B (400 V / 160A)
	AC-21B (690 V)
	AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series
	DC-20B (440V)
	DC-20B (1000V)
Power dissipation:	14,1W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I_{pk} :	13.7 kA
Cond. rated short-circuit current with fuses:	80 kA / 690 V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I_{cw} :	8,1kA / 1s
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 1	up to 23W power dissipation
Contacts:	spring-loaded copper contacts, silver plated
Front degree of protection:	IP30
Terminal points screw:	M10
Terminal points screw box terminal:	Cu 70-185mm ² f
	Cu 35-150mm ² s(r)
	Cu 35-95mm ² f+AE
	la.Cu 15.5-24mm large
	terminal space 24.5 x 12mm min. terminal space height 3mm

■ Dimensions

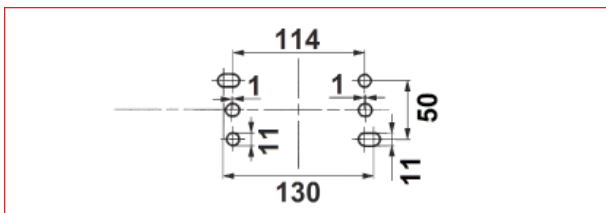





■ NH (HRC) fuses-load-breaker, size 1 (250A), series Wöhner

■ Wiring diagram



■ Instructions for mounting



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, screw-connection M10, 250A		SI332010-A
Size 1, screw-terminal M10, 250A, with electromechanical fuse monitoring		SI331490
Ark chamber NH disconnectors size 1		SI339180
NH fuse switch-discon. size 1, 250 A, panel mounting, connection box terminal		SI333930



NH (HRC) fuses-load-breaker, size 2 (400A), series Wöhner



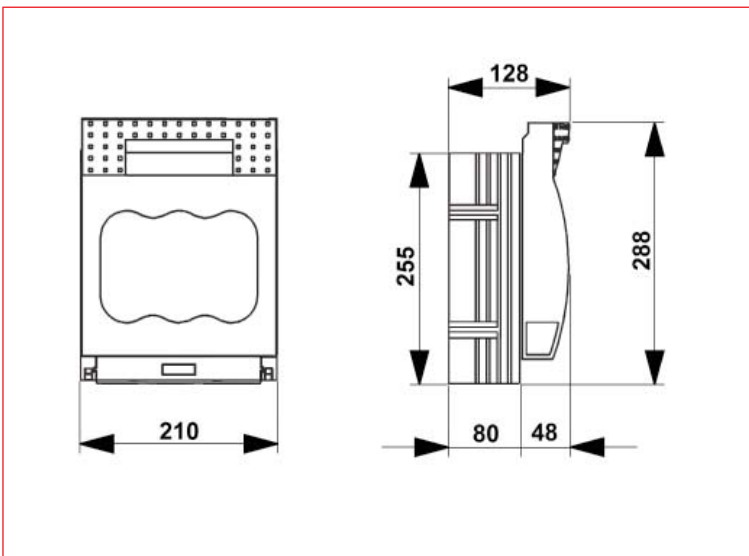
SI332010-A

Schrack-Info

- QUADRON® Panel-NH fuse switch-disconnector size 2, 400 A
- System: mounting plate
- Spring-loaded copper contacts, silver plated
- For safe connection of the leads, the shock protection is split into 2.
- Self-closing inspection holes are available in the cover.
- Also available with fuse monitoring.

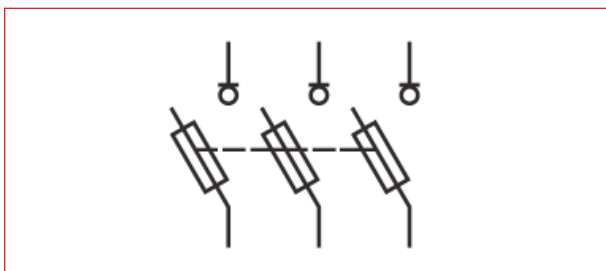
Rated current (IEC):	400 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400V)
	AC-22B (690V)
	AC-21B (690V)
	AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series
	DC-22B (440V)
	DC-21B (440V)
	DC-20B (1000V) at level of soiling 2
Power dissipation:	22W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I_{pk} :	27.2 kA
Cond. rated short-circuit current with fuses:	50 kA / 690V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I_{cw} :	13,2kA / 1s
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 2 up to 34W power dissipation	
Contacts:	spring-loaded copper contacts, silver plated
Degree of protection:	IP30 at front, degree of protection near terminal depends on installation
Front degree of protection:	IP30
Terminal points screw	M10

Dimensions

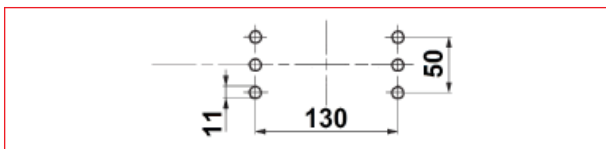



■ NH (HRC) fuses-load-breaker, size 2 (400A), series Wöhner

■ Wiring diagram



■ Instructions for mounting



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, screw-connection M10, 400A		SI332020
Size 2, screw-terminal M10, 400A, with electromechanical fuse monitoring		SI331500
Size 2, screw-connection M10, 400A, with electronic fuse monitoring		SI333310



■ NH (HRC) fuses-load-breaker, size 3 (630A), series Wöhner



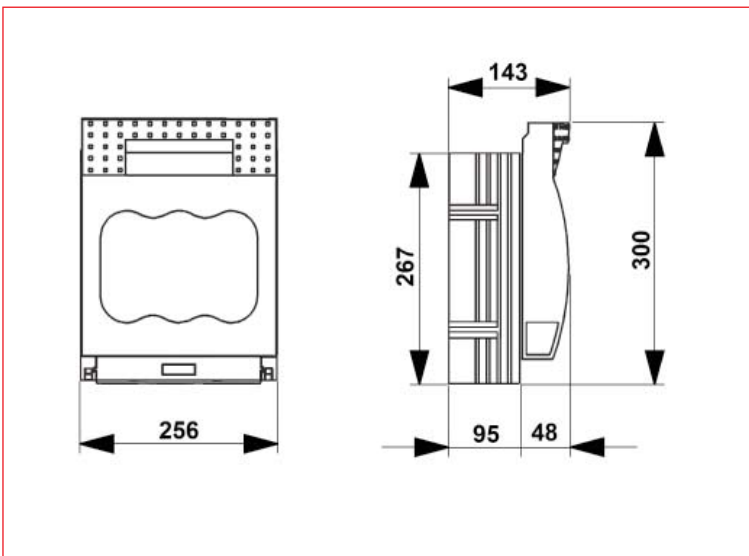
SI332030

■ Schrack-Info

- QUADRON® Panel-NH fuse switch-disconnector size 3, 630 A
- System: mounting plate
- Spring-loaded copper contacts, silver plated
- For safe connection of the leads, the shock protection is split into 2.
- Self-closing inspection holes are available in the cover.
- Also available with fuse monitoring

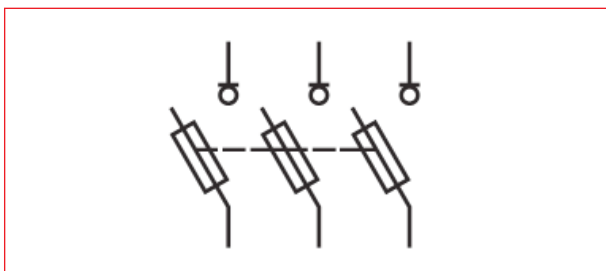
Rated current (IEC):	630 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400V)
	AC-22B (690V)
	AC-21B (690V)
	AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series
	DC-22B (440V)
	DC-21B (440V)
	DC-20B (1000V) at level of soiling 2
Power dissipation:	36W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I_{pk} :	35.2 kA
Ccond. rated short-circuit current with fuses:	50 kA / 690V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I_{cw} :	15,1kA / 1s
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 3 up to 48W power dissipation	
Contacts:	spring-loaded copper contacts, silver plated
Degree of protection	IP30 at front, degree of protection near terminal depends on installation
Terminal points:	screw M12
	Md 35 - 40 Nm

■ Dimensions

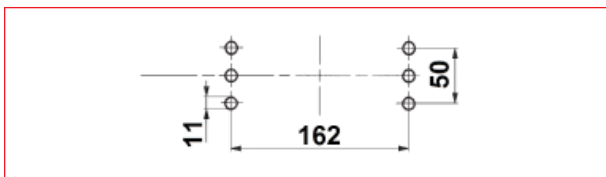



■ NH (HRC) fuses-load-breaker, size 3 (630A), series Wöhner

■ Wiring diagram



■ Instructions for mounting



DESCRIPTION	AVAILABLE	ORDER NO.
Size 3, screw-connection M12, 630A		SI332030
Size 3, screw-terminal M12, 630A, with electromechanical fuse monitoring		SI331510
Size 3, screw-connection M12, 630A, with electronic fuse monitoring		SI333320



■ NH (HRC) fuses-load-breaker, size 4a (1600A), series Wöhner



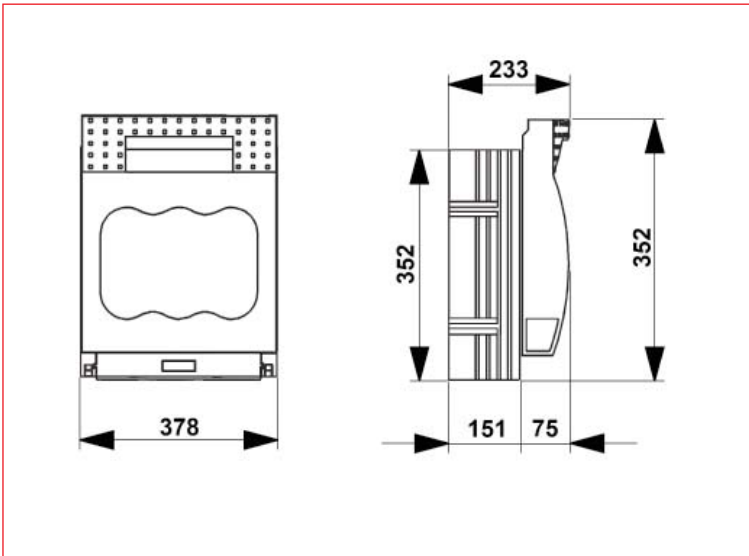
SI332040

■ Schrack-Info

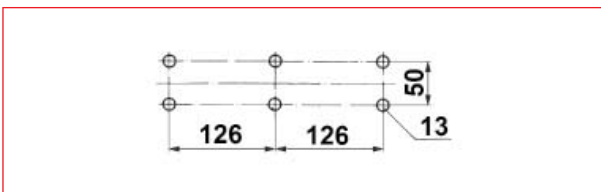
- QUADRON® Panel-NH fuse switch-disconnector size 4a, 1600 A
- Connection screw 2 x M12
- System: mounting plate

Rated current (IEC):	1600 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-22B (400V), AC-21B (690V)
Category of use DC:	DC-21B (440 V)
Power dissipation:	240W
Rated isolation voltage U _i (AC):	800 V
Rated surge voltage U _{imp} :	8 kV
Cond. rated short-circuit current with fuses:	50kA / 690V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 4a up to 140W power dissipation	
Terminal points:	Flat connection (50mm wide) 2xM12
	Screw connection 2x M12
	35 - 40Nm torque

■ Dimensions

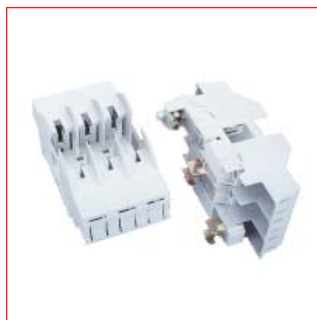


■ Instructions for mounting



DESCRIPTION	AVAILABLE	ORDER NO.
Size 4A, connection: 2 screws M12, 500mm ² , 1600 A		SI332040

■ NH (HRC) fuses-carrier, size 00 (160A), series Wöhner




SI033510

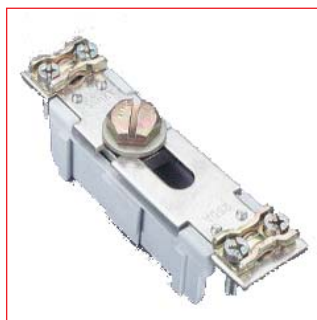
■ Schrack-Info

- NH fuse-base size 00, 160 A
- System: mounting plate

Rated current (IEC):	160 A
For fuse links IEC 60269-2 / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Power dissipation:	12,5W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Breaking capacity with fuses:	50 kA

DESCRIPTION	AVAILABLE	ORDER NO.
3-pole, screw M8 on both sides		SI037590
3-pole, screw M8 on both sides, 160A, barrier type		SI033510
1-pole, screw M8 on both sides, 160A, without personal-contact-protection		SI033500
3-pole, panel-mounting, clamp 1,5-70mm ² on both sides, 160A, barrier type		SI033550
Size 00, 160A, 1-pole, cleat, without personal-contact-protection		SI033690
Size 00, 160 A, 1-pole, screw on both sides, screw M8 on both sides, with shock protection cover		SI037580
1-pole, clamp 1,5-70mm ² on both sides, 160A, with shock protection cover		SI037600
3-pole, clamp 1,5-70mm ² on both sides, 160A, with shock protection cover		SI037610
Shock protection in two parts for HRC fuse-base		SI037910

■ HRC-fuse-base size 00 (160A), series Wöhner




SI036680

■ Schrack-Info

- Neutral-conductors size 00, for NH-fuse-base for mounting-plate

Rated current (IEC):	160 A
Rated voltage (IEC) AC:	690 V
Power dissipation:	8W
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V

DESCRIPTION	AVAILABLE	ORDER NO.
160A, cleat 1,5-70mm ² on both sides		SI036200
160 A, disconnectable, cleat 1,5-70mm ² on both sides		SI036680
Neutral conductor 630 A, disconnectable screw, both sides		SI032130



Order no. blue: on stock, usually ready for delivery on the day of order

■ HRC-neutral-conductor size 1, series Wöhner



SI036570

■ Schrack-Info

- Neutral-conductors size 1, for NH-fuse-base for mounting-plate

Rated current (IEC):	250 A
Rated voltage (IEC) AC:	690 V
Power dissipation:	2,9W
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V

DESCRIPTION	AVAILABLE	ORDER NO.
250 A, disconnectable, screw M8 on both sides		SI036570

■ HRC-neutral-conductor size 2+3, series Wöhner



SI037570

■ Schrack-Info

- Neutral-conductors size 2 and 3, for NH-fuse-base for mounting-plate

Rated current (IEC):	400 A
Rated voltage (IEC) AC:	690 V
Power dissipation:	5.8 W
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V

DESCRIPTION	AVAILABLE	ORDER NO.
400A, disconnection, cleat on both sides		SI037570

HRC-fuse-base size 1 (250A), series Wöhner




SI037630

Schrack-Info

- NH-fuse-base size 1, 250 A
- System: mounting plate
- With touch protection

Rated current (IEC):	250 A
For fuse links IEC 60269-2 / DIN VDE 0636-201 size 1 to 32W power dissipation	
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Power dissipation:	5,5 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	1000 V
Max. permitted voltage (IEC) DC:	1000 V
Breaking capacity with fuses:	50 kA
1000V DC, air and creepage distances to DIN EN 60664-1, VDE 0110 Part 1 are to be considered for	

DESCRIPTION	AVAILABLE	ORDER NO.
1-pole, screw M10 on both sides, with shock protection cover		SI037620
3-pole, screw M10 on both sides, with shock protection cover		SI037630

HRC-fuse-base size 2 (400A), series Wöhner



SI037670

Schrack-Info

- NH-fuse-base size 2, 400 A
- System: mounting plate
- With touch protection

Rated current (IEC):	400 A
For fuse links IEC 60269-2 / DIN VDE 0636-201 size 2 up to 45W power dissipation	
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Power dissipation:	36 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Breaking capacity with fuses:	50 kA

DESCRIPTION	AVAILABLE	ORDER NO.
3-pole, screw M10 on both sides, with shock protection cover		SI037670
1-pole, screw M10 on both sides, with shock protection cover		SI037660

■ HRC-fuse-base size 3 (630A), series Wöhner



■ Schrack-Info

- NH-fuse-base size 3, 630 A
- System: mounting plate
- With touch protection

SI037690

Rated current (IEC):	630 A
For fuse links IEC 60269-2 / DIN VDE 0636-201 size 3 up to 60W power dissipation	
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Power dissipation:	30 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	1000 V
Max. permitted voltage (IEC) DC:	1000 V
Breaking capacity with fuses:	50 kA

DESCRIPTION	AVAILABLE	ORDER NO.
1-pole, screw M12 on both sides, with shock protection cover		SI037680
3-pole, screw M12 on both sides, with shock protection cover		SI037690

■ NH (HRC) fuses-load-breaker, size 000 (100A), for 60mm system, series Wöhner



SI332160

■ Schrack-Info

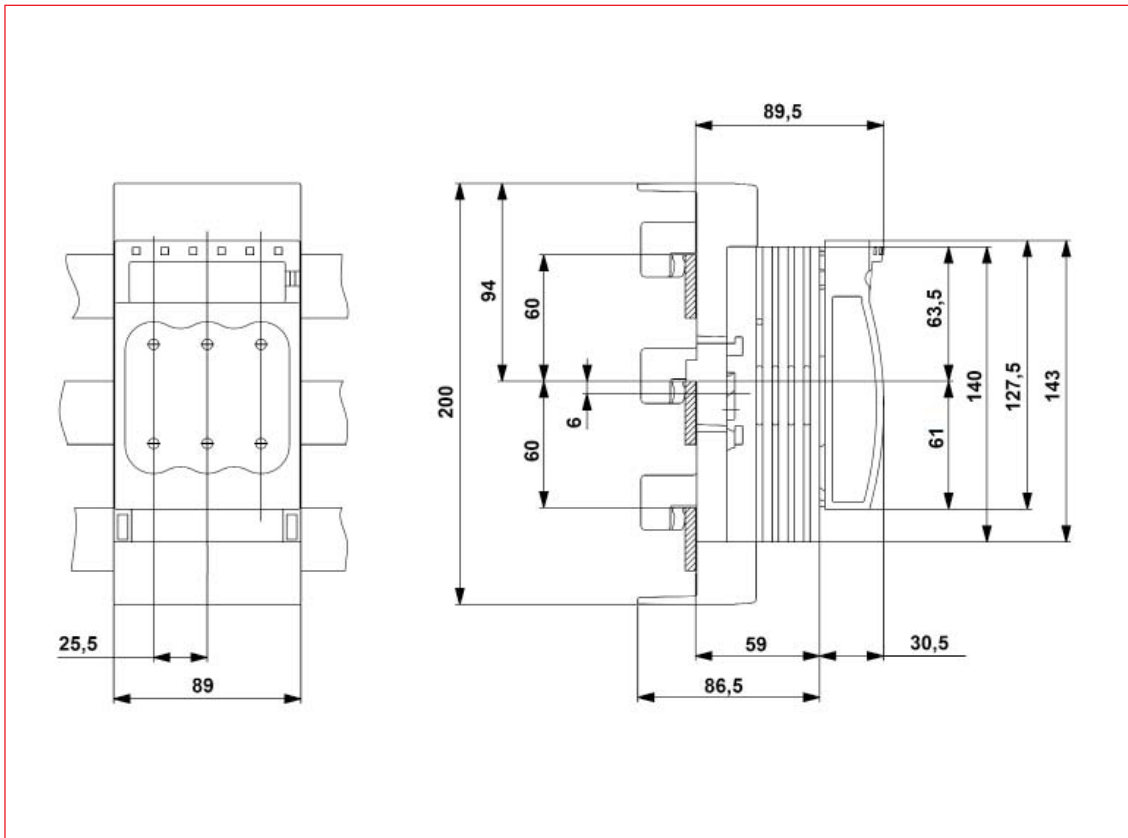
- QUADRON®60Classic-NH-fuse switch-disconnector size 000, 125 A
- Bus-mounting on 60mm busbar-system
- Convenient click mechanism
- Simple conversion of the combination bases from 5 to 10mm-thick busbars
- Spring-loaded copper contacts, silver plated
- Self-closing inspection holes are available in the cover
- Connection box terminal
- Outgoing terminal bottom or top

Rated current (IEC):	125 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400 V) AC-22B (500 V) AC-21B (690 V)
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series DC-22B (440V/63A) DC-22B (220V/100A) DC-21B (440V/80A) DC-21B (220V/125A)
Power dissipation:	10,5 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V (50A) 50 kA / 500 V (100A) 50 kA / 400 V (125A)
approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 / DIN VDE 0636-201 size 000 (max. 21 mm wide) up to 9W power dissipation In accordance with the specified AC and DC switching properties and in consideration of the overload conditions, certain distances to earthed metal parts are to be adhered to.	
Front degree of protection:	IP30 Degree of protection IP30 at front, degree of protection near terminal depends on installation
Type of fastening:	patented click mechanism
Box terminal:	2,5 - 50mm ² flexible cables, 1,5 - 50mm ² flexible cables with wire-end ferrules 1,5 - 10mm ² solid round 16 - 50mm ² stranded round (flexible cables of maximum cross-section may not fit when using wire-end ferrule) la. Cu. 6-9 mm wide Terminal space 10mm x 10mm

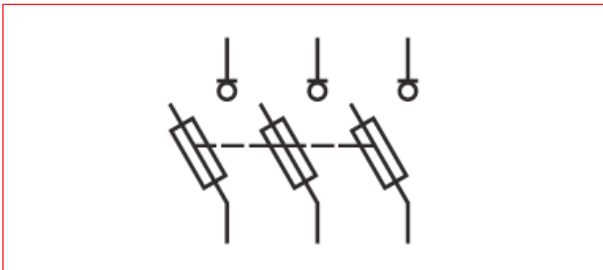
NH (HRC) fuses-accessories series Wöhner

■ NH (HRC) fuses-load-breaker, size 000 (100A), for 60mm system, series Wöhner

■ SI332160



■ SI332160



DESCRIPTION

Size 000, box-terminal 50 mm², connection top/bottom, 125 A

AVAILABLE

ORDER NO.



SI332160

■ NH (HRC) fuses-load-breaker, size 000 (100A), for 60mm-Compact-system, series Wöhner



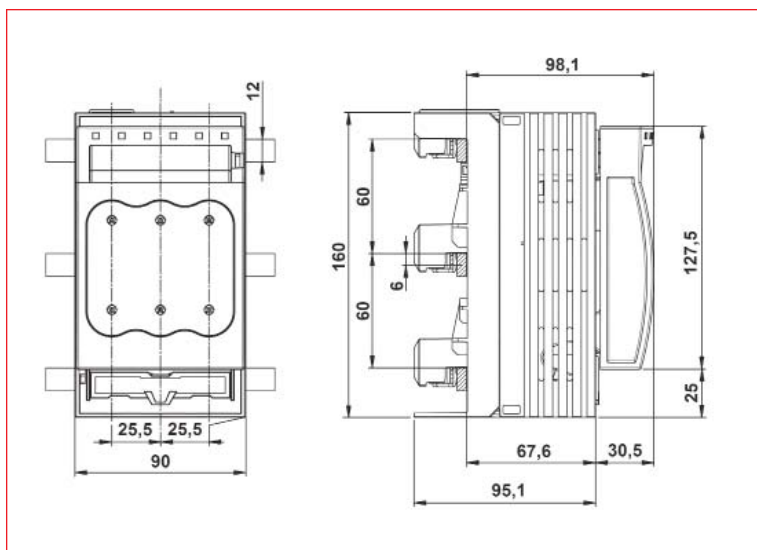
SI334160

■ Schrack-Info

- QUADRON®60Compact-NH-fuse switch-disconnector size 000, 125 A
- Bus-mounting on 60mm busbar-Compact-system
- CrossLink® adapter technology
- Fast and safe conversion of the connection for top or bottom, the parts under voltage remain shock protected
- Simple and safe clicking into place and making contact
- Safe connection through shock protection split into two

Rated current (IEC):	125 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400 V)
	AC-22B (500 V)
	AC-21B (690 V)
Category of use DC:	DC specifications: 2 current paths (L1, L3) in series
	DC-22B (440V/63A)
	DC-22B (220V/100A)
	DC-21B (440V/80A)
	DC-21B (220V/125A)
Power dissipation:	13,8 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V (80A)
	50 kA / 500 V (100A)
	50 kA / 400 V (125A)
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2 / DIN VDE 0636-2 size 000 (max. 21 mm wide) up to 9W power dissipation	
Degree of protection:	IP30 at front as per DIN EN 60529
	degree of protection near terminal depends on installation, adapter module: front side degree of protection IP20 as per DIN EN 60529 (finger-safe)
Terminal points Box terminal:	2,5 -50mm ² flexible cables,
	1,5 -50mm ² flexible cables with wire-end ferrules
	1,5 - 10mm ² solid round
	16 - 50mm ² stranded round
	(flexible cables of maximum cross-section may not fit when using wire-end ferrule)
	1a. Cu. 6-9 mm wide
	Terminal space 10mm x 10mm

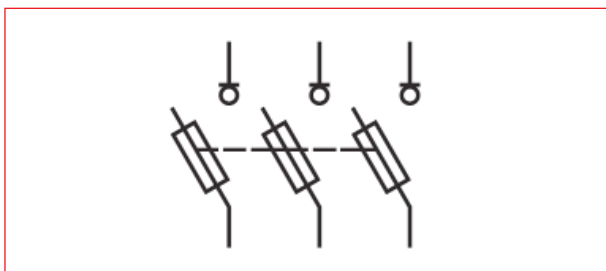
■ SI334160 Dimensions



NH (HRC) fuses-accessories series Wöhner

■ NH (HRC) fuses-load-breaker, size 000 (100A), for 60mm-Compact-system, series Wöhner

■ SI334160



DESCRIPTION	AVAILABLE	ORDER NO.
3-pole, connection top or bottom by rotating, 125A, for busbars 12x5/10		SI334160

■ NH (HRC) fuses-load-breaker, size 00 (160A), for 60mm system, series Wöhner



SI335000



SI331980

■ Schrack-Info

- QUADRON®60Compact-NH-fuse switch-disconnector size 00, 160 A
 - Bus-mounting on 60mm busbar-system
 - CrossLink® adapter technology
 - Fast and safe conversion of the connection for top or bottom; the parts under voltage remain shock protected
 - Simple and safe clicking into place and making contact
 - Safe connection through shock protection split into two
 - Busbar supports for flat busbars can be mounted above each other
-
- SI33500 with spring-controlled switch mechanism for frequent switching as per utilization category "A"
 - Can be locked in neutral position with up to 3 U-locks
 - FLAG indicator shows the switch setting
 - Fuses can be changed safely and without tools thanks to double-breaking main contacts
 - Additional visible separating section by removing the cover incl. fuses
 - Can be used as mains disconnecter as per IEC / EN 60204-1 (main switch).
 - Mains switch only in combination with AC-23A/B

CrossLink® Technology

The new CrossLink® Technology enables wide-ranging use for various applications. Different system components in the same device category all have the same installed width and the same adapters. In this way, CrossLink®Technology improves the design versatility and safety of systems.

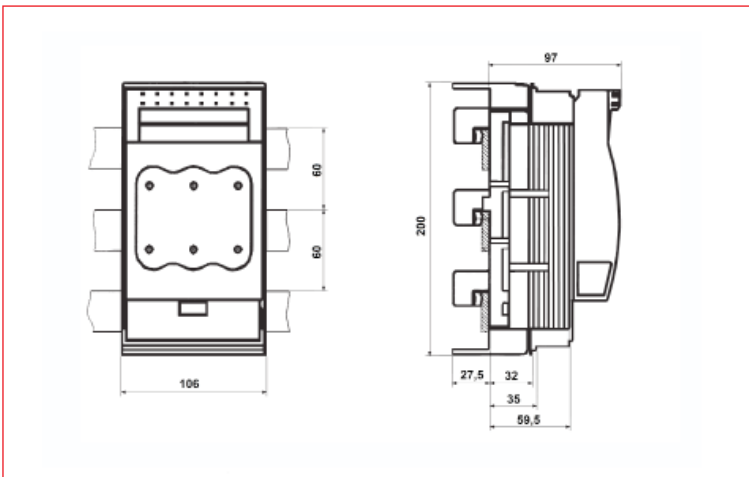
QUADRON®60Classic

The highlight of the CrossLink® Technology is the busmounting switch disconnector with NH fuses. Its spring-operated mechanism ensures safe, operator-independent switching. The QUADRON®60Classic with operating mechanism has a switch-on preventer with the lid opened and a shut-down device with up to 3 locks. The NH fuses can be easily and safely changed.

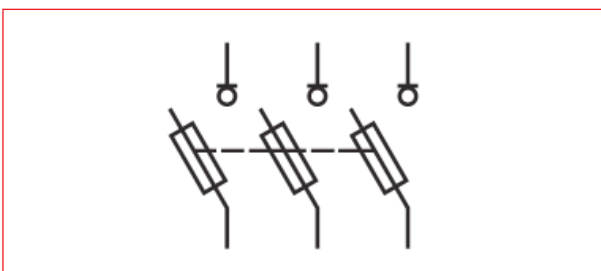
■ NH (HRC) fuses-load-breaker, size 00 (160A), for 60mm system, series Wöhner

Rated current (IEC):	160 A
Poles:	3-pole
Busbar connector:	externally tensioned contacting, convenient click mechanism, simple conversion of the combination bases from 5 to 10mm-thick busbars
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-21B (690V) AC-22B (500V) AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series DC-21B (220V) DC-21B (440V/100A) DC-22B (220V/63A) DC-20B (1000V) at level of soiling 2
Power dissipation:	17,7 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690V
Contacts:	spring-loaded copper contacts, silver plated
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2 / DIN VDE 0636-2 size 00 up to 12W power dissipation	
Degree of protection:	front, IP30 System component: degree of protection IP30 at front as per DIN EN 60529, degree of protection near terminal depends on installation adapter module: front side degree of protection IP20 as per DIN EN 60529 (finger-safe)
Terminal points box terminal:	1,5 -70mm ² flexible cables directly 1,5 -50mm ² flexible cables with wire-end ferrules 1,5 -10mm ² solid round 16 -70mm ² stranded round 2x10mm ² , 2x16mm ² and 2x25mm ² flexible with wire-end ferrules, identical cables placed side by side, crimping square 2x 10-35mm ² flexible identical cables placed side by side la. Cu. 9-13 mm wide Terminal space 13mm x 13mm
Terminal points screws:	screw M8, galvanized, chromized

■ SI331980 / SI333980 Dimensioned drawing

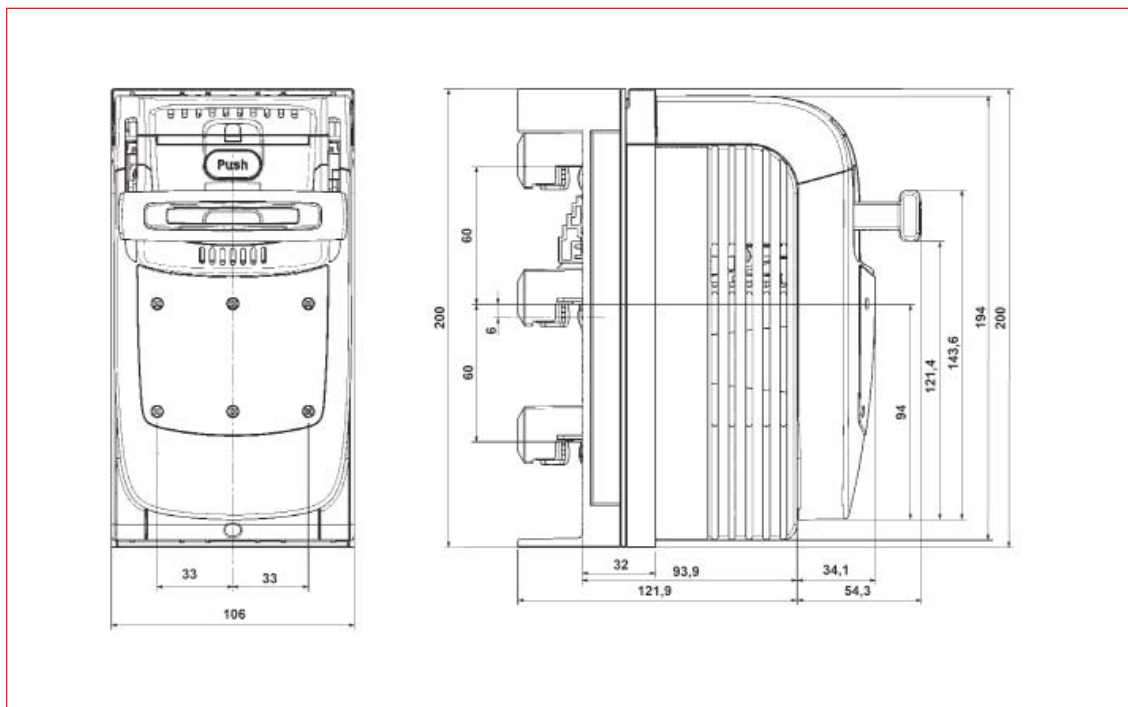


■ SI331980



■ NH (HRC) fuses-load-breaker, size 00 (160A), for 60mm system, series Wöhner

■ SI335000



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, box-terminal 70mm ² , connection top/bottom, 160A		SI331980
Size 00, screw-connection M8, 160A		SI333980
Size 00, box-terminal 70mm ² , connection top/bottom, 160A, short version		SI330750
Size 00, box-terminal 70mm ² , connection top/bottom, 160A, with electronic fuse monitoring		SI332060
Size 00, clamp-type connection for copper-conductors, 1,5-70mm ² , 12x10		SI037270
Cover for connecting space for SI331970, SI331980, SI331990, SI332000		SI798110
Size 00, Cross Link Switch, box-terminal 70mm ² , 125A		SI335000
Size 00, Cross Link Switch, box-terminal 70mm ² , 125A with fuse monitoring		SI335060
Size 00, box-terminal 70mm ² , 160A, with electronic fuse monitoring		SI333240
Size 00, Cross Link Switch for door coupling drive, box-terminal 70mm ² , 125A		SI335030



■ NH (HRC) fuses-load-breaker, size 1 (250A), for 60mm system, series Wöhner



SI336010-A

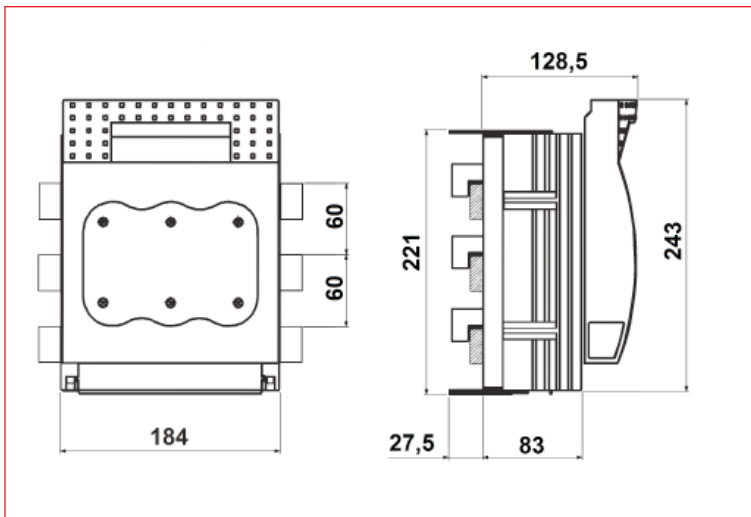
■ Schrack-Info

QUADRON®60Classic-NH-fuse-switch-disconnector size 1, 250 A

- Bus-mounting on 60mm busbar-system
- CrossLink® adapter technology
- Fast and safe conversion of the connection for top or bottom
- The parts under voltage remain shock protected
- Simple and safe clicking into place and making contact
- Safe connection through shock protection split into two
- Busbar supports for flat busbars can be mounted above each other
- Self-closing test holes are available in the cover.

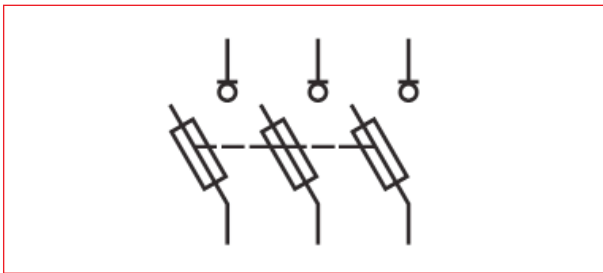
Rated current (IEC):	250 A
Poles:	3-pole
Contacts:	spring-loaded copper contacts, silver plated
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-22B (400 V) AC-23B (400 V / 160A) AC-21B (690 V) AC-20B (1000V) at pollution degree 2
Category of use DC:	DC specifications: 2 current paths (L1, L3) in series DC-20B (440V) DC-20B (1000V) at level of soiling 2
Power dissipation SI336010-A (screw-terminal)	26W
Power dissipation SI333930 (boxterminal):	14,1W
rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I_{pk} :	13.7 kA
Cond. rated short-circuit current with fuses:	80 kA / 690 V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I_{csw} :	8,1kA / 1s
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 1 up to 23W power dissipation	
Degree of protection:	IP30 at front, degree of protection near terminal depends on installation
Terminal points screw:	M10, galvanized, chromized
Terminal points box terminal:	Cu 70-185mm ² f Cu 35-150mm ² s(r) Cu 35-120mm ² f+AE Ia.Cu 15.5-24mm large terminal space 24.5 x 12mm min. terminal space height 3mm

■ SI336010-A Dimensioned drawing



■ NH (HRC) fuses-load-breaker, size 1 (250A), for 60mm system, series Wöhner

■ SI336010-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, screw-terminal M10, 250A		SI336010-A
NH fuse switch-discon. size 1, 250 A, panel mounting, connection box terminal		SI333930
Size 1, screw-connection M10, 250A, with electronic fuse monitoring		SI333250
Size 1, screw-terminal M10, 250A, with electromechanical fuse monitoring		SI331600
Size 1, wedge clamp terminal, single, for Cu and Al conductors 35-150mm ²		SI331660
Size 1, wedge clamp terminal, double, for Cu conductors 2 x 35-70mm ²		SI331450
Size 1, clamp connector for Cu conductors 70-150 mm ²		SI331630
Size 1, Cross Link Switch, screw-terminal M10, 250A, with electronic fuse monitoring		SI335160
Size 1, Cross Link Switch, screw-terminal M10, 250A		SI335100

■ NH (HRC) fuses-load-breaker, size 2 (400A), for 60mm system, series Wöhner



SI336020

■ Schrack-Info

QUADRON®60Classic-NH-fuse-switch-disconnector size 2, 400 A

- Bus-mounting on 60mm busbar-system
- Disconnectors are equipped with arc chambers.
- The shock protection is split into 2 for safe connection of the conductors.
- Self-closing inspection holes are available in the cover.

Rated current (IEC):	400 A
Poles:	3-pole
For busbars:	12, 15, 20, 25, 30 x 10
Contacts:	spring-loaded copper contacts, silver plated
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400V) AC-22B (690V) AC-21B (690V) AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series DC-22B (440 V) DC-21B (440 V) DC-20B (1000V) at level of soiling 2
Power dissipation:	45 W
Rated isolation voltage U _i (AC):	800 V
Rated surge voltage U _{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I _{pk} :	27.2 kA
Cond. rated short-circuit current with fuses:	50 kA / 690V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I _{cw} :	13,2kA / 1s
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 2 up to 34W power dissipation	
Degree of protection	IP30 at front, degree of protection near terminal depends on installation
Terminal points	screw M10, galvanized, chromized Md 30 - 35 Nm

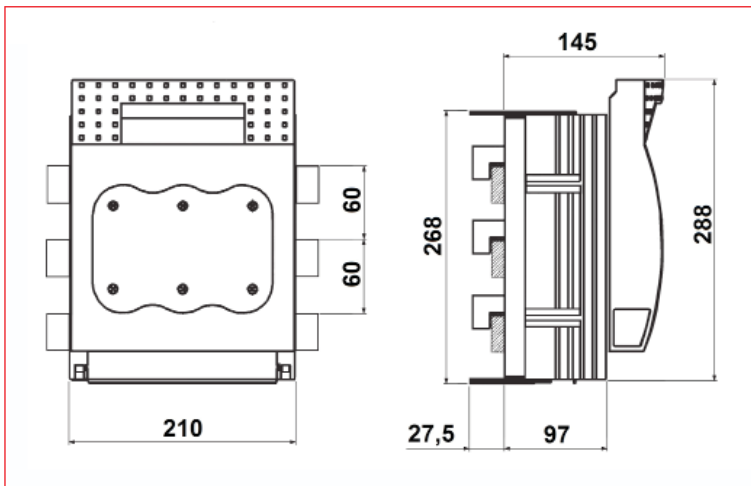


Order no. blue: on stock, usually ready for delivery on the day of order

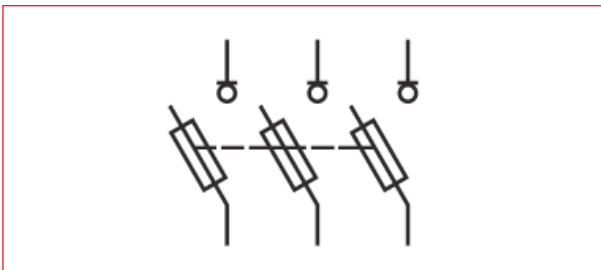
NH (HRC) fuses-accessories series Wöhner


■ NH (HRC) fuses-load-breaker, size 2 (400A), for 60mm system, series Wöhner

■ SI336020 Dimensions



■ SI336020 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, screw-terminal M10, 400A		SI336020
Size 2, screw-connection M10, 400A, with electronic fuse monitoring		SI333260
Size 2, screw-terminal M10, 400A, with electromechanical fuse monitoring		SI331610
Size 1, wedge clamp terminal, double, for Cu conductors 2 x 70-120mm ²		SI331460

■ NH (HRC) fuses-load-breaker, size 3 (630A), for 60mm system, series Wöhner



SI336030

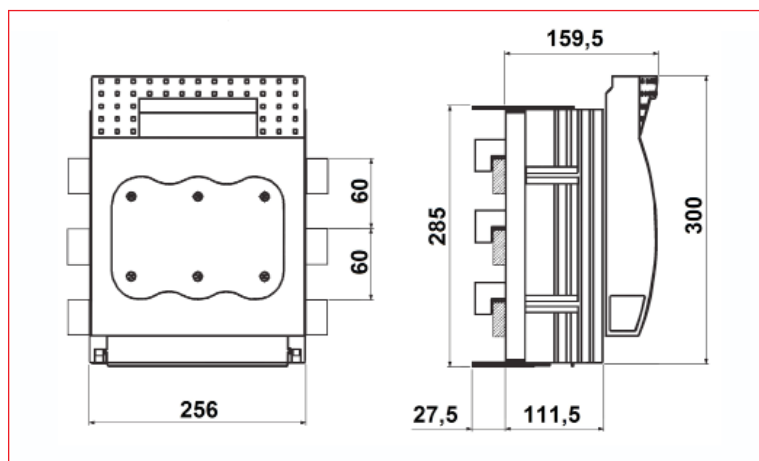
■ Schrack-Info

QUADRON®60Classic-NH-fuse-switch-disconnector size 3, 630 A

- Bus-mounting on 60mm busbar-system
- Disconnectors are equipped with arc chambers.
- The shock protection is split into 2 for safe connection of the conductors.
- Self-closing inspection holes are available in the cover.

Rated current (IEC):	630 A
Poles:	3-pole
For busbars:	12, 15, 20, 25, 30 x 10
Contacts:	spring-loaded copper contacts, silver plated
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400V)
	AC-22B (690V)
	AC-21B (690V)
	AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1, L3) in series
	DC-22B (440 V)
	DC-21B (440 V)
	DC-20B (1000V) at level of soiling 2
Power dissipation:	60 W
Rated isolation voltage U _i (AC):	800 V
Rated surge voltage U _{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I _{pk} :	35.2 kA
Cond. rated short-circuit current with fuses:	50 kA / 690V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I _{cw} :	15,1kA / 1s
Fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 3 up to 48W power dissipation	
Degree of protection	IP30 at front, degree of protection near terminal depends on installation
Terminal points	screw M12, galvanized, chromized
	Md 35 - 40 Nm

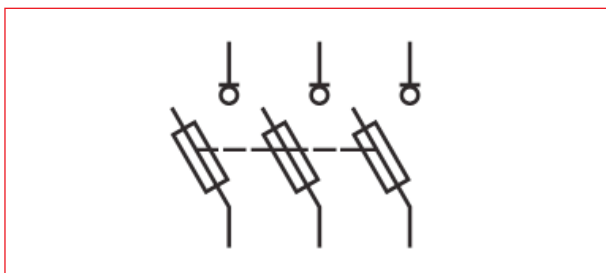
■ SI336030 Dimensions



NH (HRC) fuses-accessories series Wöhner

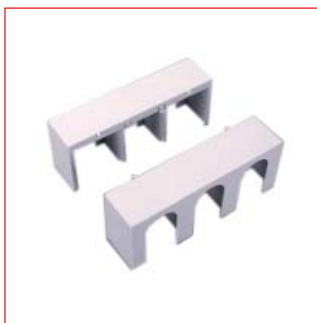
■ NH (HRC) fuses-load-breaker, size 3 (630A), for 60mm system, series Wöhner

■ SI336030 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 3, screw-terminal M12, 630A		SI336030
Size 3, screw-connection M12, 630A, with electronic fuse monitoring		SI333270
Size 3, screw-terminal M12, 630A, with electromechanical fuse monitoring		SI331620
Size 3, wedge clamp terminal, single, for Cu and Al conductors 150-300mm ²		SI331680



■ Accessories for NH fuses-load-breaker, size 3 (630A), for 60mm system, series Wöhner



SI331430

■ Schrack-Info

Accessories for QUADRON®60Classic-NH-fuse-switch-disconnector size 000 - 3

DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, Cover for cable lugs for fuse switch-disconnector		SI331420
Size 2, Cover for cable lugs for fuse switch-disconnector		SI331430
Size 3, Cover for cable lugs for fuse switch-disconnector		SI331440

HRC-fuse-base, series Wöhner



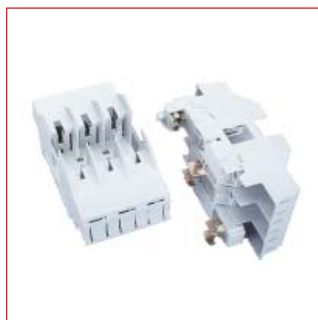
SI037950

Schrack-Info
NH-bus-mounting fuse base for busbars

Size	2	3
Rated current (IEC):	400 A	630 A
Fuses	for fuse links IEC 60269-2 size 2 up to 45W power dissipation	for fuse links IEC 60269-2 size 3 up to 60W power dissipation
Rated voltage (IEC) AC:	690 V	690 V
Rated voltage (IEC) DC:	440 V	440 V
Power dissipation:	37.4 W	45.7 W
Rated isolation voltage U_i (AC):	800 V	800 V
Rated surge voltage U_{imp} :	6 kV	6 kV
Max. permitted voltage (IEC) AC:	800 V	800 V
Max. permitted voltage (IEC) DC:	800 V	800 V
Breaking capacity with fuses:	50 kA	50 kA

DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 1-pole, screw-terminal, 400A, without shock protection cover		SI037950
Size 3, 1-pole, screw-terminal, 630A, without shock protection cover		SI037900

HRC-fuse-base for 60mm system, series Wöhner



SI036560

Schrack-Info

- NH-bus-mounting fuse base
- Bus-mounting on 60mm busbar-system

Size	00
Rated current (IEC):	160 A
For fuse links IEC 60269-2 size 00 up to 12W power dissipation	
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Breaking capacity with fuses:	50 kA

DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 70mm ² , 160A, screw M8, max. 70mm ² , 3-pole, connection top-side, personal contact-protection, 60mm-busbar-system		SI036560
Size 00, 160A, 3-pole, cleat, with personal-contact-protection		SI036540
Size 00, 160 A, 1-pole, screw, without personal-contact-protection		SI033700
Size 00, 160 A, 3-pole, for busbar-system		SI031990



Order no. blue: on stock, usually ready for delivery on the day of order

■ NH (HRC) In-line-fuses, size 00 (160A), for 60mm system, series Wöhner



SI332340

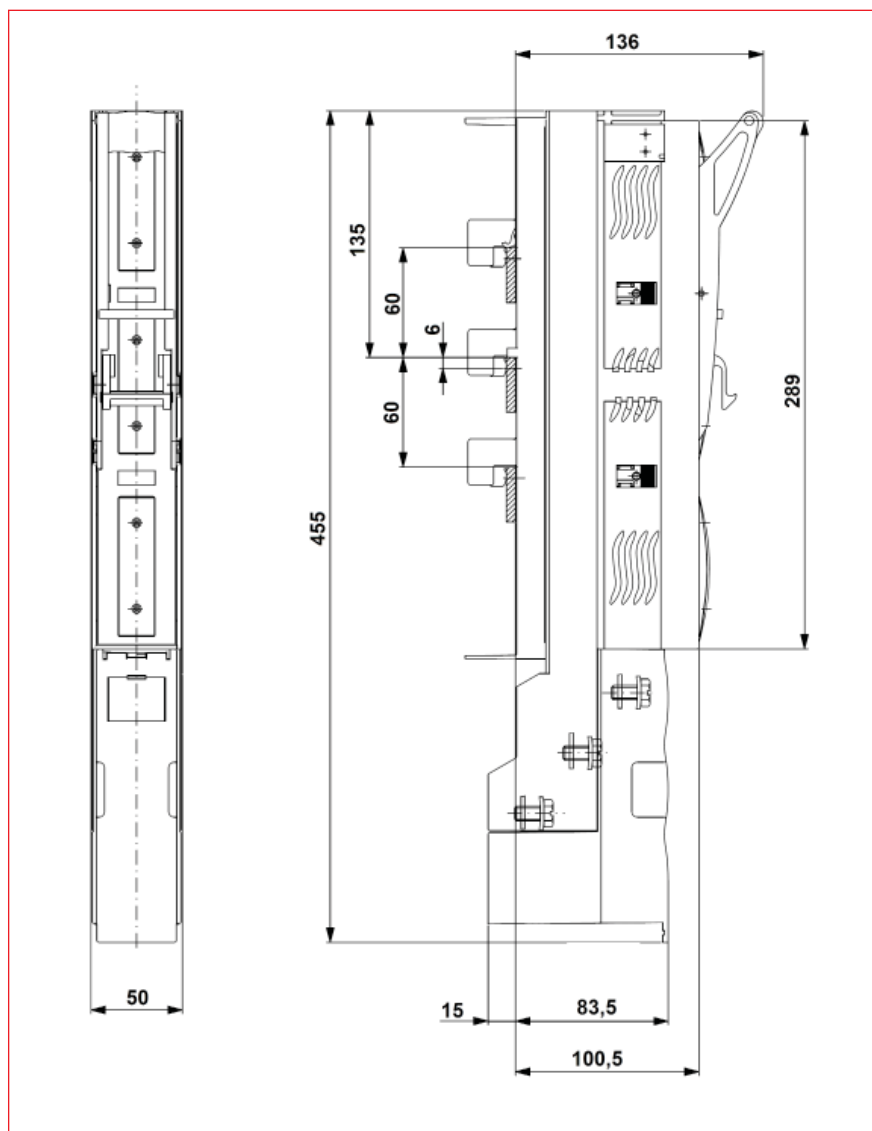
■ Schrack-Info

- SECUR®LeanStreamer in-line fuse switch-disconnector size 00, 160 A
- Bus-mounting on 60mm busbar-system
- Screw M8 / cleat 70mm²

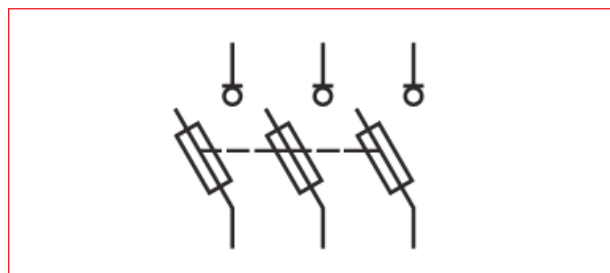
Rated current (IEC):	160 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-22B (690V)
	AC-23B (400V)
	AC-23B (500V/125A)
Power dissipation:	27 W
Rated surge voltage U _{imp} :	8 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Degree of protection	IP30 at front, degree of protection near terminal depends on installation
Type of fastening:	for busbars 12, 15, 20, 25, 30x5/10
	patented click mechanism
	spring-loaded copper contacts, silver plated
Terminal points screw:	screw M8
	Md 12-14Nm
Terminal points clamp:	Cu 1,5-70mm ² f
	Cu 1,5-70mm ² m
	Cu 1,5-70mm ² f+AE
	Md 3Nm


■ NH (HRC) In-line-fuses, size 00 (160A), for 60mm system, series Wöhner

■ SI332340 Dimensioned drawing



■ SI332340 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole in-line fuse switch, screw M8 or clamp-type terminal 70mm ² , 160A		SI332340
Size 00, 3-pole in-line fuse switch, screw M8 or clamp-type terminal 70mm ² , 160A, with electronic fuse monitoring		SI332850



■ NH (HRC) In-line-fuses, size 00 (160A), for 100/185mm system, series Wöhner



SI332350

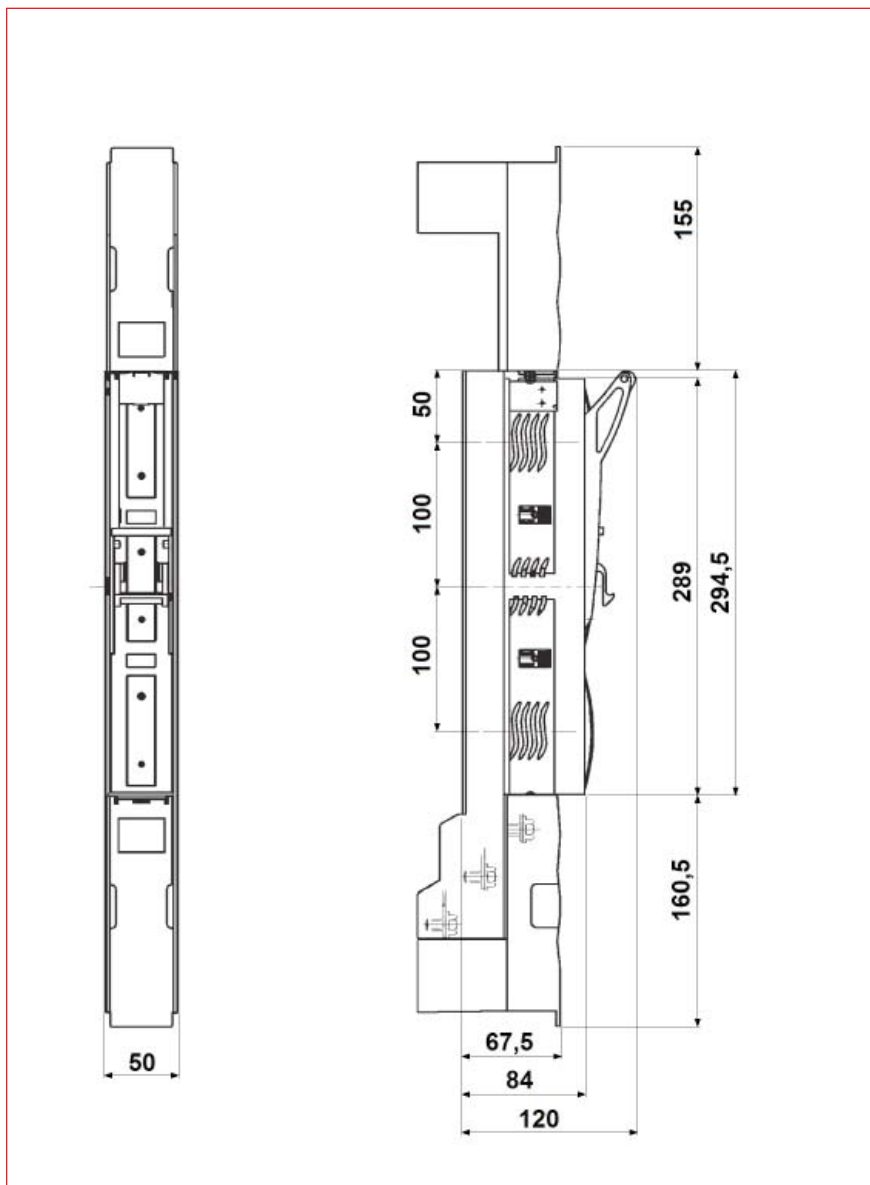
■ Schrack-Info

- SECUR®LeanStreamer in-line fuse switch-disconnector size 00, 160 A
- Bus-mounting on 100mm busbar-system
- Screw M8 / cleat 70mm²
- Self-closing inspection holes are available in the cover

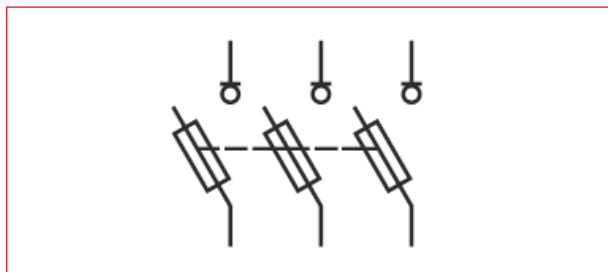
Rated current (IEC):	160 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-22B (690V)
	AC-23B (400V)
	AC-23B (500V/125A)
Category of use DC:	DC-details: 2 flow path (L1, L3) in row
	DC-20B (440V)
Power dissipation:	20 W
Rated surge voltage U _{imp} :	8 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Degree of protection:	IP30 at front, degree of protection near terminal depends on installation
Type of fastening:	can be screwed onto drilled busbar,
	M8, 12 - 14Nm torque, or using additional terminal clamp
Terminal points screw:	M8
	Md 12 - 14 Nm
Terminal points clamp:	Cu 1.5-70mm ² rm
	Cu 1.5-70mm ² f
	Cu 1.5-70mm ² f+Ae
	la.Cu 12 x (1-10)mm

■ NH (HRC) In-line-fuses, size 00 (160A), for 100/185mm system, series Wöhner

■ SI332350 Dimensioned drawing



■ SI332350 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
100mm system, size 00, 3-pole in-line fuse switch, screw M8 or clamp-type terminal 70mm ² , 160A		SI332350
185mm, single adapter for SI332350 and SI332860		SI332360

■ NH (HRC) In-line-fuses, size 00 (160A), for 185mm system, series Wöhner



SI337000

■ Schrack-Info

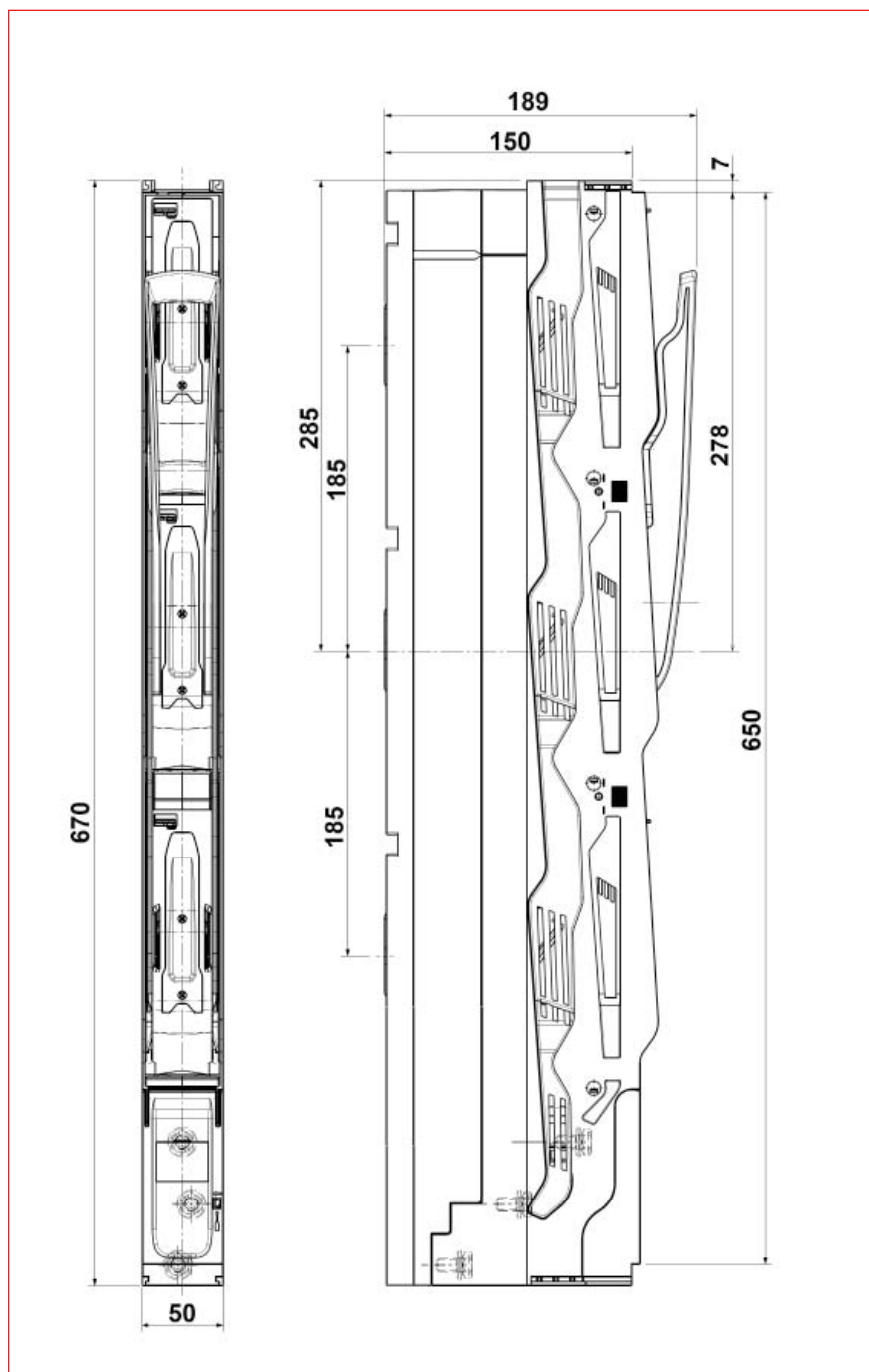
- QUADRON®185Power in-line fuse switch-disconnector size 00, 160 A
- Highversion in the same high like size 1-3
- Screw M8

Easily fits any combination of the QUADRON®185Power NH in-line fuse switch disconnectors of Sizes 00 to 3 to the 185Power system. Based on application specific requirements, the NH in-line fuse switch disconnectors can be conveniently, quickly and securely mounted with mechanical clamps without drilling or bolted directly to a drilled busbar

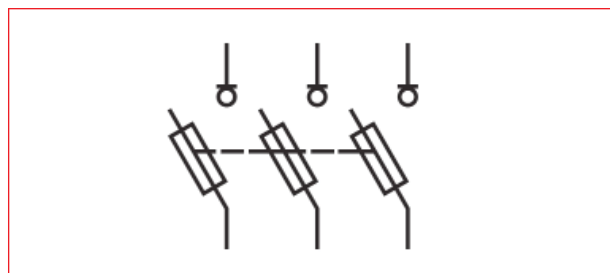
Rated current (IEC):	160 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 160A/400V
Power dissipation:	28 W
Rated surge voltage U_{inc} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	100 kA / 500 V
	100 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Degree of protection:	IP20 at front
Type of fastening:	can be screwed onto drilled busbar,
	M8, 12 - 14Nm torque, or using additional terminal clamp
Terminal points screw:	M8, galvanized, chromized
	Md 12 - 14 Nm


■ NH (HRC) In-line-fuses, size 00 (160A), for 185mm system, series Wöhner

■ SI337000 Dimensions



■ SI337000



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole in-line switching direct to 185mm, M8, 160A		SI337000
Size 00, 3-pole in-line switching direct to 185mm, M8, 250A, with electronic fuse monitoring		SI337200

■ NH (HRC) In-line-fuses, size 1 (250A), for 185mm system, series Wöhner



SI337010

■ Schrack-Info

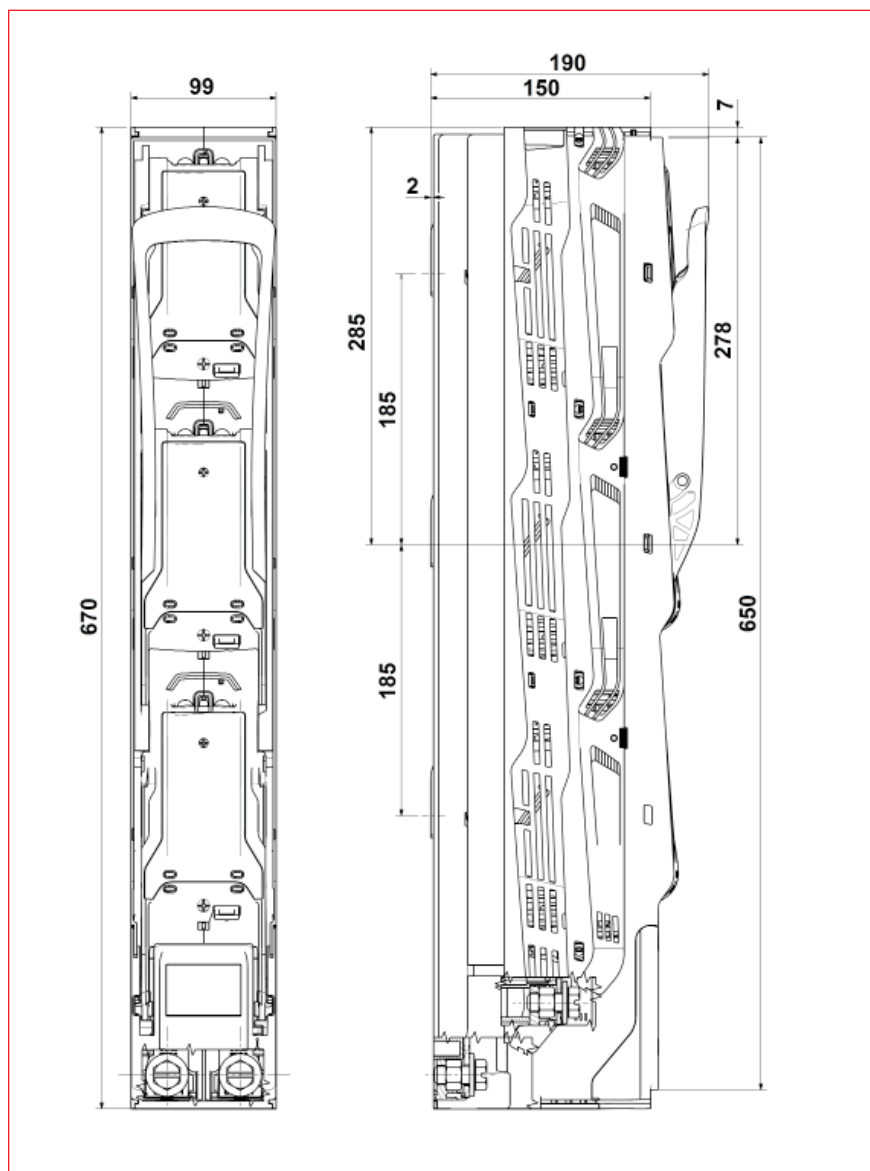
- QUADRON®185Power NH-In-line fuse switch-disconnector size 1, 250 A
- Bus-mounting on 185mm busbar-system
- Screw M12
- Self-closing inspection holes are available in the cover
- Hinged windows for time-saving mounting and no need to dismantle the NH in-line fuse switch disconnectors
- Easily accessible cable terminal compartment
- Lid can be locked in the open and closed positions
- Easy switching thanks to ergonomic operating handle
- Considerable scope for cable connecting
- Outgoing feeder top/bottom can be connections.
- Cover can be locked when closed.
- Optional current transformers mountable into In-line fuse switch-disconnector

The lateral ducts of the QUADRON®185Power NH in-line fuse switch disconnectors produce a kind of draw-off chimney which acts as a cooling and ventilation system and pinpoints the discharge of switching gases and heat.

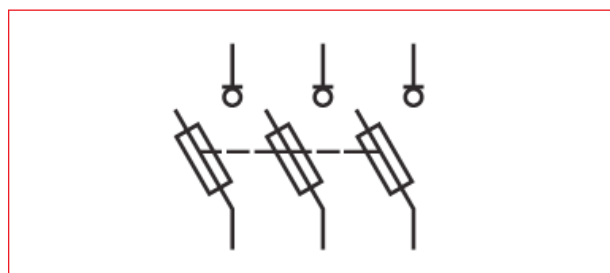
Rated current (IEC):	250 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 250A/400V
	AC-22B 250A/500V
	AC-22B 250A/690V
	AC-21B 250A/690V
Power dissipation:	24 W
Rated surge voltage U_{imp} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	80 kA / 690 V
	80 kA / 500 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 1 up to 23W power dissipation	
Degree of protection:	Degree of protection IP20 at front, degree of protection near terminal depends on installation
Type of fastening:	
Can be screwed onto drilled busbar, diameter 13mm, undrilled drilling with optional terminal clamp	
Connection:	screw connection M12
Terminal points screw:	screw M12, galvanized, chromized
	Md 30 Nm
Optional terminal clamp SI337350:	Cu/Al
	1x 70-240mm ² sm/se
	1x 50-185mm ² rm
Connection not maintenance-free if aluminium conductors are used	

■ NH (HRC) In-line-fuses, size 1 (250A), for 185mm system, series Wöhner

■ SI337010 Dimensions



■ SI337010 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole in-line switching, screw-terminal M12, 250A		SI337010
Size 1, 3-pole in-line switching, screw-terminal M12, 250A, with electronic fuse monitoring		SI337210
Boxterminal for size 1-2 fo Cu and Al 70-240mm ²		SI337350
Terminal clamp f. NH in-line fuse switch disc.1-3 for undrilled mounting 185Power		SI337400
Double-Direct-Connection terminal Cu and Al for size 1/2/3, sm 2 x 35-150mm ² , se 2 x 50-185mm ²		SI332700

■ NH (HRC) In-line-fuses, size 2 (400A), for 185mm system, series Wöhner



SI337030

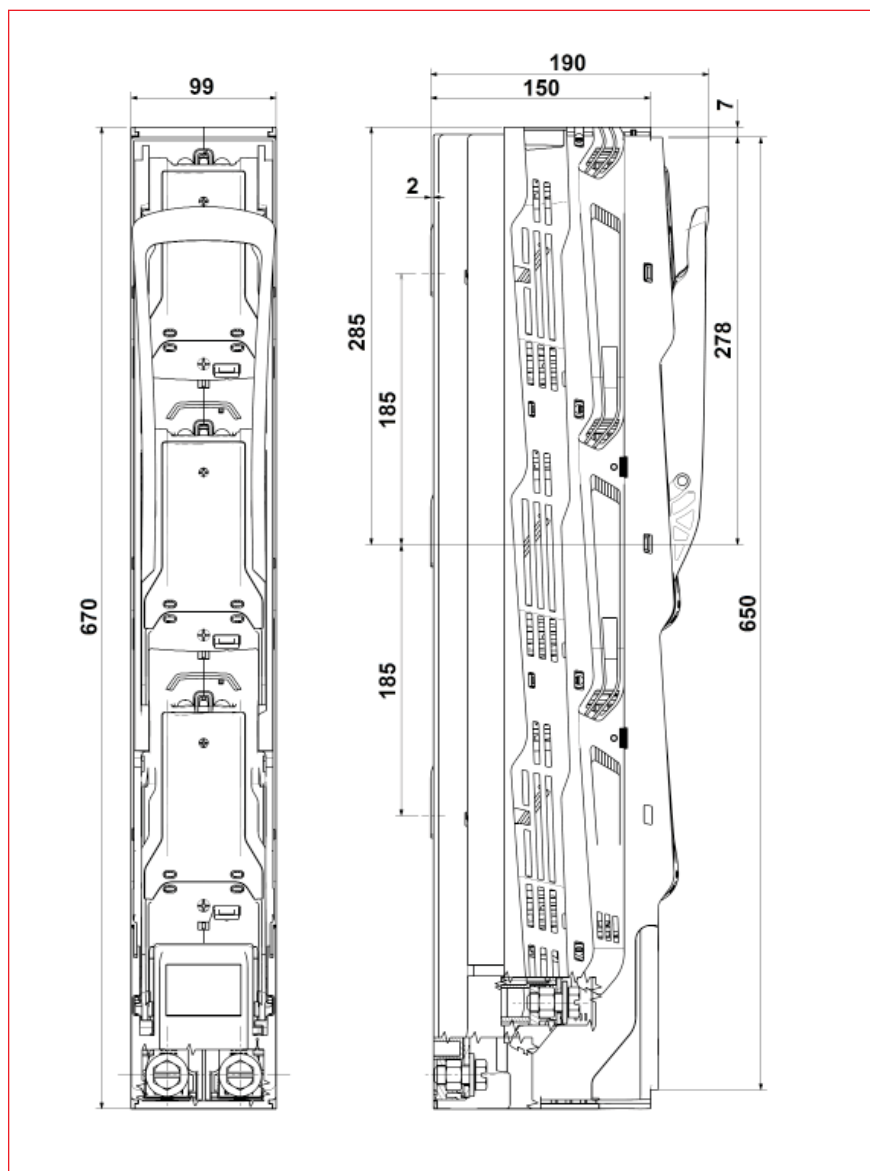
■ Schrack-Info

- QUADRON®185Power NH-In-line fuse switch-disconnector size 2, 400 A
- Bus-mounting on 185mm busbar-system
- Screw M12
- Self-closing inspection holes are available in the cover
- Hinged windows for time-saving mounting and no need to dismantle the NH in-line fuse switch disconnectors
- Easily accessible cable terminal compartment
- Lid can be locked in the open and closed positions
- Easy switching thanks to ergonomic operating handle
- Considerable scope for cable connecting
- Outgoing feeder top/bottom can be connections.
- Cover can be locked when closed.
- Optional current transformers mountable into In-line fuse switch-disconnector

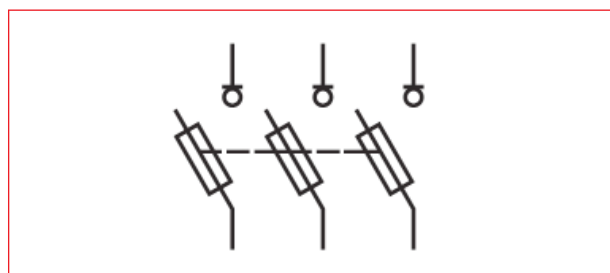
Rated current (IEC):	400 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 400A/400V
	AC-22B 400A/500V
	AC-22B 400A/690V
	AC-21B 400A/690V
Power dissipation:	60 W
Rated surge voltage U_{imp} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	80 kA / 500 V
	80 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 2 up to 34W power dissipation	
Degree of protection:	Degree of protection IP20 at front, degree of protection near terminal depends on installation
Type of fastening:	
Can be screwed onto drilled busbar, diameter 13mm, undrilled drilling with optional terminal clamp	
Connection:	screw connection M12
Terminal points screw:	screw M12, galvanized, chromized
	Md 30 Nm
Optional terminal clamp SI337350:	Cu/Al
	1 x 70-240mm ² sm/se
	1 x 50-185mm ² rm
Connection not maintenance-free if aluminium conductors are used	

■ NH (HRC) In-line-fuses, size 2 (400A), for 185mm system, series Wöhner

■ SI337020 Dimensions



■ SI337020 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole in-line switching, screw-terminal M12, 400A		SI337020
Size 2, 3-pole in-line switching, screw-terminal M12, 400A, with electronic fuse monitoring		SI337220
Boxterminal for size 1-2 fo Cu and Al 70-240mm ²		SI337350
Terminal clamp f. NH in-line fuse switch disc.1-3 for undrilled mounting 185Power		SI337400
Double-Direct-Connection terminal Cu and Al for size 1/2/3, sm 2 x 35-150mm ² , se 2 x 50-185mm ²		SI332700
Wedge clamp terminal for size 00		SI337340

■ NH (HRC) In-line-fuses, size 3 (630A), for 185mm system, series Wöhner



SI337030

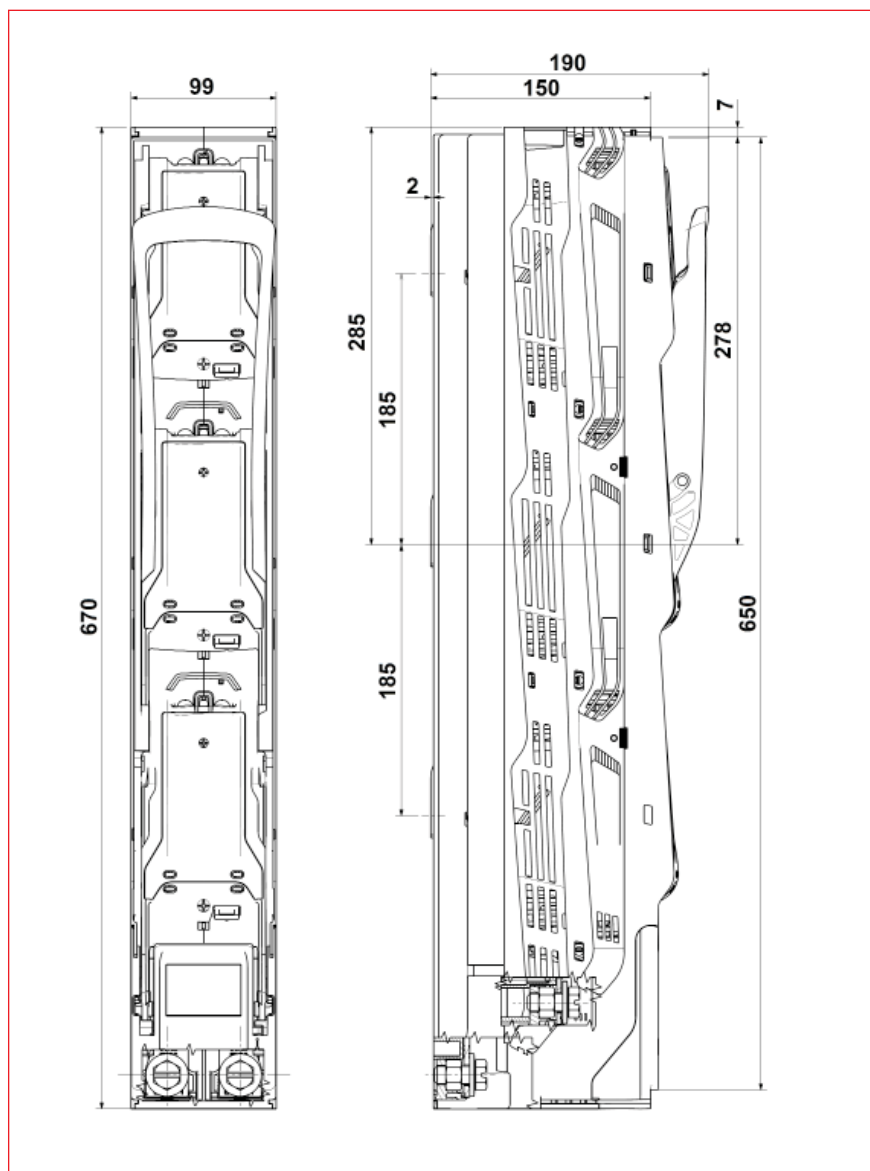
■ Schrack-Info

- QUADRON®185Power NH-In-line fuse switch-disconnector size 3, 630 A
- Bus-mounting on 185mm busbar-system
- Screw M12
- Self-closing inspection holes are available in the cover
- Hinged windows for time-saving mounting and no need to dismantle the NH in-line fuse switch disconnectors
- Easily accessible cable terminal compartment
- Lid can be locked in the open and closed positions
- Easy switching thanks to ergonomic operating handle
- Considerable scope for cable connecting
- Outgoing feeder top/bottom can be connections.
- Cover can be locked when closed.
- Optional current transformers mountable into In-line fuse switch-disconnector

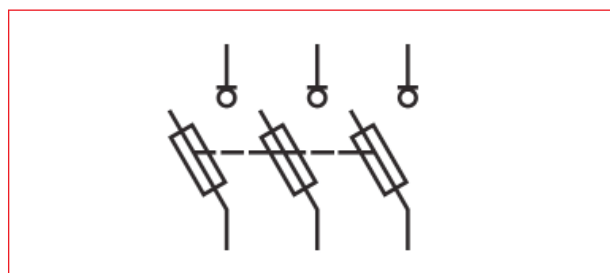
Rated current (IEC):	630 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 630A/400V
	AC-22B 630A/500V
	AC-22B 400A/690V
	AC-21B 400A/690V
Power dissipation:	118 W
Rated surge voltage U_{imp} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	80 kA / 690 V
	100 kA / 500 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 3 up to 48W power dissipation	
Degree of protection:	Degree of protection IP20 at front, degree of protection near terminal depends on installation
Type of fastening:	
Can be screwed onto drilled busbar, diameter 13mm, undrilled drilling with optional terminal clamp	
Connection:	screw connection M12
Terminal points screw:	screw M12, galvanized, chromized
	Md 30 Nm
Optional terminal clamp SI337360:	Cu/Al
	1x185mm ² -240mm ² sm
	1x150mm ² -300mm ² se
	1x120mm ² -300mm ² rm
Connection not maintenance-free if aluminium conductors are used	




■ NH (HRC) In-line-fuses, size 3 (630A), for 185mm system, series Wöhner

■ SI337030 Dimensions



■ SI337030 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 3, 3-pole in-line switching, screw-terminal M12, 630A		SI337030
Size 3, 3-pole in-line switching, screw-terminal M12, 630A, with electronic fuse monitoring		SI337230
Boxterminal for conductors size 3, Cu and Al 120-300mm ²		SI337360
Terminal clamp f. NH in-line fuse switch disc.1-3 for undrilled mounting 185Power		SI337400
Double-Direct-Connection terminal Cu and Al for size 1/2/3, sm 2 x 35-150mm ² , se 2 x 50-185mm ²		SI332700

Current transformer for NH (HRC) In-line-fuses, series Wöhner



SI337480

Schrack-Info

- Current transformer for QUADRON®185Power NH-In-line fuse switch-disconnector
- Easy mountable into In-line fuse switch-disconnector
- Accuracy class 1

Type	SI337410	SI337420	SI337440	SI337450	SI337460	SI337470	SI337480
For in-line-fuse disconnector size:	00	00	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Rated current (IEC):	80A	150A	150 A	200 A	250 A	400 A	600 A
Rated apparent power:	5 VA	5 VA	1.5 VA	1.5 VA	1.6 VA	2.5 VA	2.5 VA
Primary rated current strength:	80A	150A	150 A	200 A	250 A	400 A	600 A
Secondary rated current strength:	5 A	5 A	5 A	5 A	5 A	5 A	5 A
Accuracy class:	1	1	1	1	1	1	1
Maximum operating voltage Um:	0.72 kV						
Frequency:	50-60 Hz						
Overcurrent limiting factor:	FS5						
Thermal nominal short-time current I _{th} :	60 x I _n						
Insulation class:	E						
Contacts:	Faston 6,3x 0,8mm (DIN46244-A)						

DESCRIPTION	AVAILABLE	ORDER NO.
150A / 5A		SI331260
400A / 5A		SI331740
600A / 5A		SI331800
Mounting clip current transformer for adaptor for size 00		SI333000
80/5, 5VA, for SI337000		SI337410
150/5, 1,5VA, for SI337010, SI337020, SI337030		SI337440
200/5, 1,5VA, for SI337010, SI337020, SI337030		SI337450
250/5, 2,5VA, for SI337010, SI337020, SI337030		SI337460
400/5, 2,5VA, for SI337010, SI337020, SI337030		SI337470
600/5, 2,5VA, for SI337010, SI337020, SI337030		SI337480
150/5, 1,5VA, for SI337010, SI337020, SI337030		SI337420

Accessories for NH (HRC) In-line-fuses, series Wöhner



SI331560



SI337360

Schrack-Info

- Accessoires for NH-In-line fuse switch-disconnector size 00 up to size 3, series Wöhner

DESCRIPTION	AVAILABLE	ORDER NO.
Terminal clamp f. NH in-line fuse switch disc.1-3 for undrilled mounting 185Power		SI337400
Boxterminal for size 1-2 fo Cu and Al 70-240mm ²		SI337350
Boxterminal for conductors size 3, Cu and Al 120-300mm ²		SI337360

Load-breaker, series Wöhner



SI333450

Schrack-Info

- CAPUS®Panel - switch disconnectors
- System: mounting plate

DESCRIPTION	AVAILABLE	ORDER NO.
Door coupling twist handle, red-yellow, IP 66		SI339110
Extension shaft, 490mm long for SI339130		SI339130
Door coupling rotary drive, LTS250/400/630,LTS-F160/250/400		SI333480
Door coupling rotary drive, grey blind cover for LTS 250-630		SI333420
Door coupling rotary drive, with shackle lock for LTS		SI333450
Pilot switch for monitoring the switch position for LTS		SI333470
Extension shaft, 300mm for LTS 250/400/630,LTS F 160/250/400		SI332460
Extension shaft, 550mm long for LTS		SI333800
Connection space cover, LTS 400/630, LTS-F 250/400		SI333510
Connection space cover, LTS 800, LTS-F 630		SI333520

Accessories for series Wöhner



SI038490

Schrack-Info

- Accessoires for fuse breaker and in-line-fuse-breaker series Wöhner

DESCRIPTION	AVAILABLE	ORDER NO.
Lid interlock for fuse switch-disconnector size 00		SI038490
Lid interlock for fuse switch-disconnector size 1-3		SI331570
Tunnel terminal 2 x 1,5 - 25mm ² and 1 x 1,5 - 16mm ²		SI011820
Prism terminal, double 2x 150 mm ²		SI331470
Clamp-type connection 150-300 mm ²		SI331650
Single trim frame 130 x 210		SI332190
Grip lug cover size for HRC-base, busbar mounted		SI794480
Grip lug cover size for HRC-base, busbar mounted		SI794490
Feed-through terminal 250 a screw M10		SI031950
Size 000 - 3, Pilot switch for lid position 1N/1NC, 250V-AC/5A, 30V-DC/4A		SI331560
Neutral conductor 63A, discon. socket term. screw-on/snap-on		SI051880



Order no. blue: on stock, usually ready for delivery on the day of order

NH (HRC) - fuse links, size 000 and 00



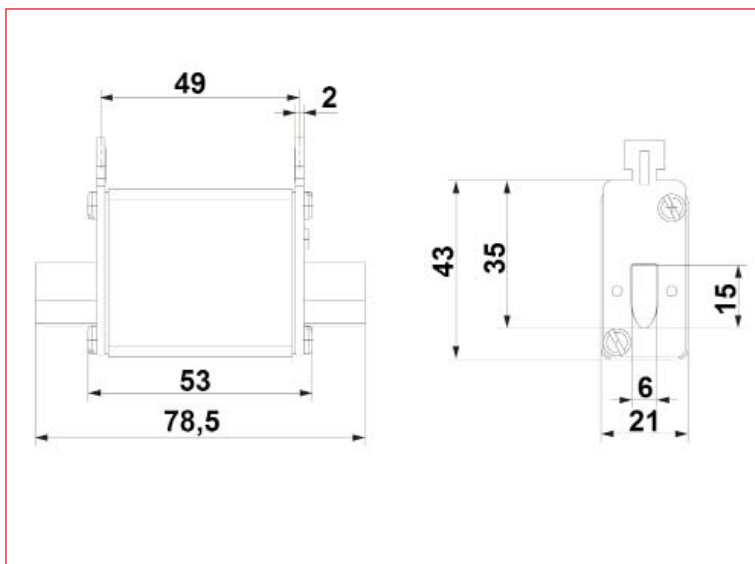
ISPO0063

Schrack-Info

- These NH fuse links are used to protect cables and wires. They safely disconnect impermissible overcurrent up to the nominal disconnect current.
- The electrical resistance of the fuse links can be reduced by special design of the fuse wires for AC 400 V versus 500 V AC. Less power loss and heat-up – the fuses are energy-saving!
- Series ISP are with corrosion-resistant metal pasts
- Combi indicator: top and centre, series ISP

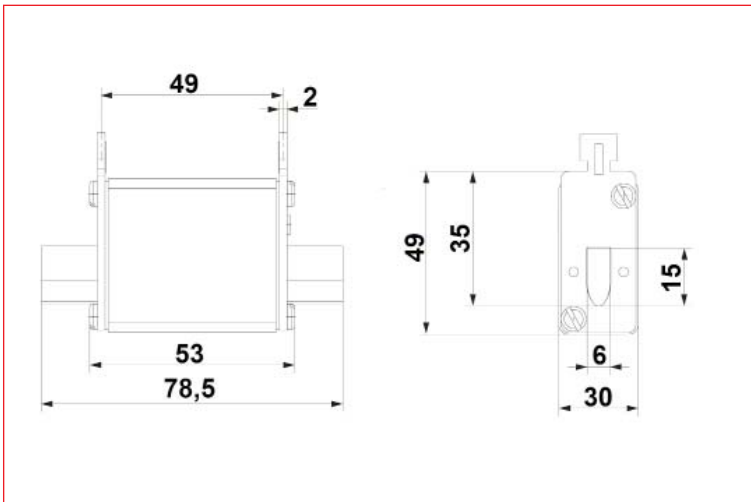
Size	NH000		NH00		NH000		NH00		NH00	
Series	ISP		ISP		SI		SI		SI	
Rated voltage	400V-AC		400V-AC		500V-AC		500V-AC		690V-AC	
Rated current	4-100A		125-160A		63-100A		125-160A		125-160A	
Rated breaking capacity	100kA		100kA		63A: 80kA, 100A: 120kA		120kA		100kA	
Utilisation category	gG		gG		gG		gG		gG	
Clips and screws	corrosion-resistant		corrosion-resistant		-		-		-	
Standards	IEC/EN 60269-1		IEC/EN 60269-1		IEC/EN 60269-1		IEC/EN 60269-1		IEC/EN 60269-1	
Powerdissipation	4A	0,7W	125A	8,1W	63A	5,4W	125A	10W	50A	4,1W
	6A	0,8W	160A	10W	100A	7,5W	160A	12W	63A	5,4W
	10A	1,1W							80A	6,5W
	16A	1,6W							100A	7,5W
	20A	1,7W								
	25A	1,9W								
	32A	2,5W								
	35A	3,5W								
	40A	2,9W								
	50A	3,9W								
	63A	4,9W								
	80A	5,1W								
100A	5,5W									

000 / 4A - 63A

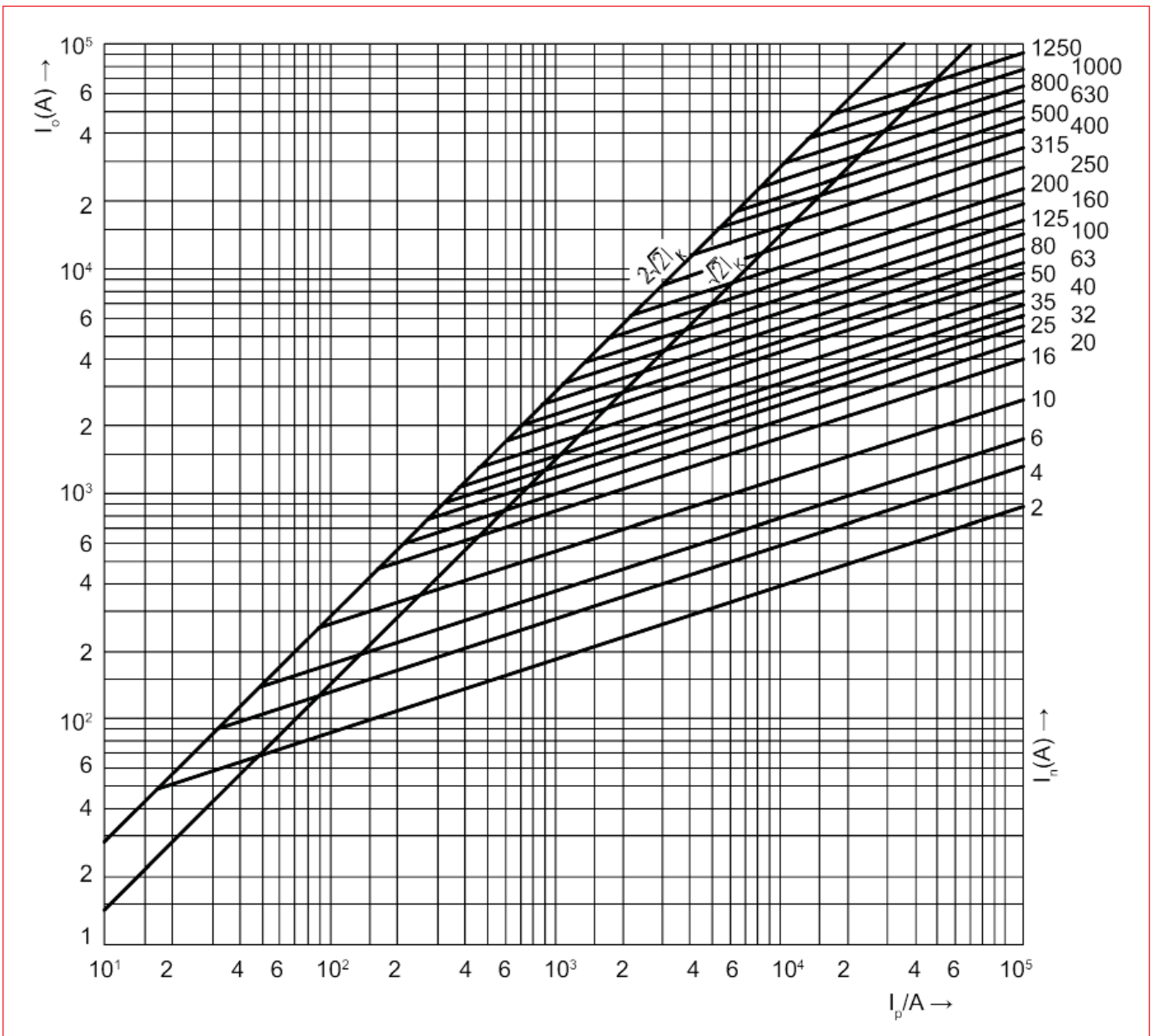


■ NH (HRC) - fuse links, size 000 and 00

■ 00 / 125A - 160A



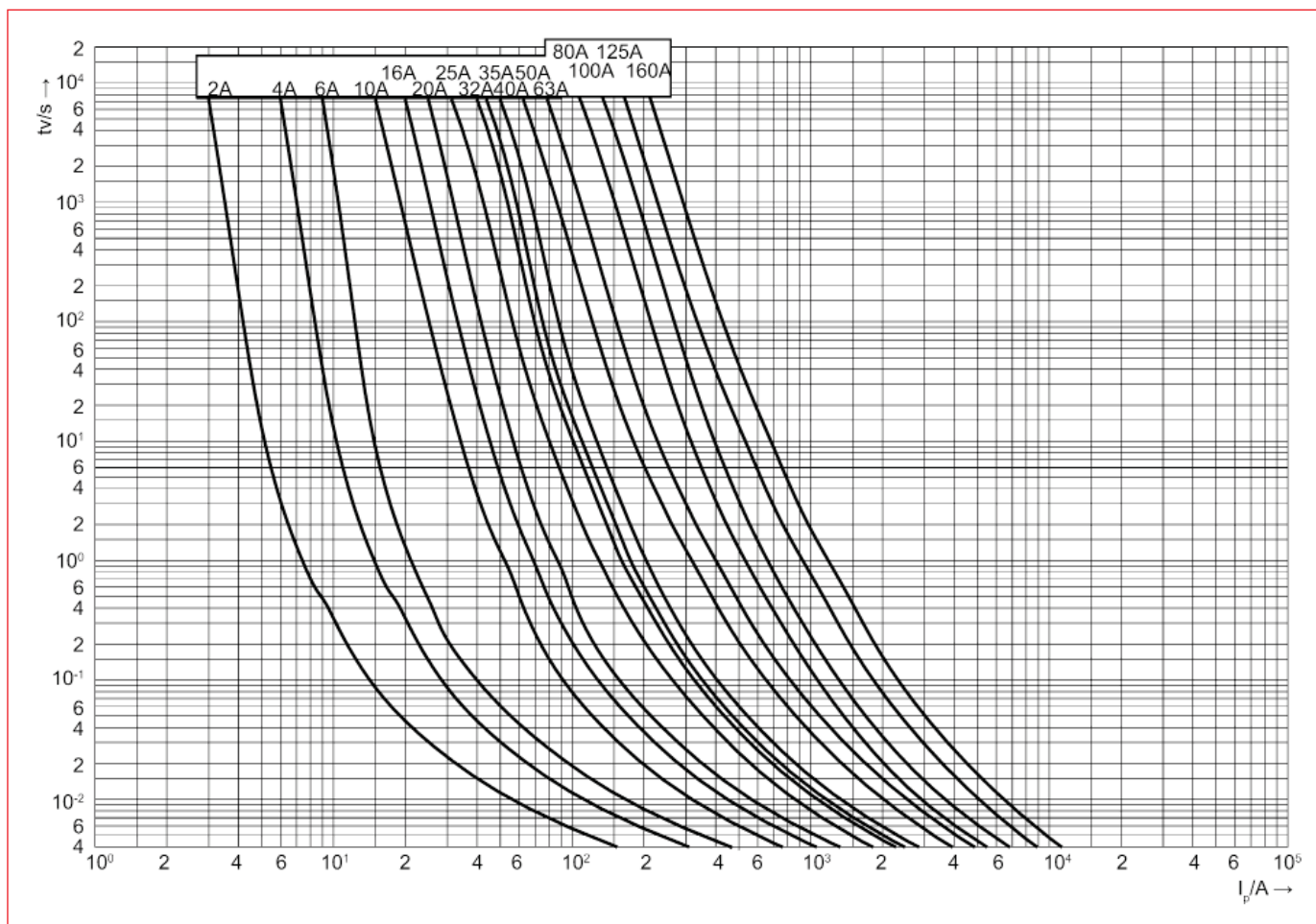
■ Peak let-through current chart





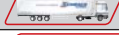

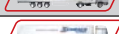


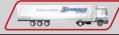
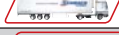
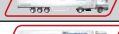

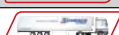
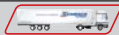



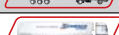

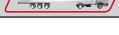
Accessories for NH (HRC) - material

■ NH (HRC) - fuse links, size 000 and 00

■ Time current characteristics gG (gL)



 NH (HRC) - fuse links, size 000 and 00

DESCRIPTION	AVAILABLE	ORDER NO.
400V-AC		
4A / 400V-AC		ISP00004
6A / 400V-AC		ISP00006
10A / 400V-AC		ISP00010
16A / 400V-AC		ISP00016
20A / 400V-AC		ISP00020
25A / 400V-AC		ISP00025
32A / 400V-AC		ISP00032
35A / 400V-AC		ISP00035
40A / 400V-AC		ISP00040
50A / 400V-AC		ISP00050
63A / 400V-AC		ISP00063
80A / 400V-AC		ISP00080
100A / 400V-AC		ISP00100
125A / 400V-AC		ISP00125
160A / 400V-AC		ISP00160
100A / 400V-AC, with front-indicator		IS505410
125A / 400V-AC, with front-indicator		IS505411
500V-AC		
125A / 500V-AC		SI035330
160A / 500V-AC		SI035340
Fuse 000 gG/gL 500V AC 63A		SI035300
Fuse 000 gG/gL 500V AC 100A		SI035320
690V-AC		
50A / 690V-AC		SI039160
63A / 690V-AC		SI039170
80A / 690V-AC		SI039180
100A / 690V-AC		SI039190



NH (HRC) - fuse links, size 1



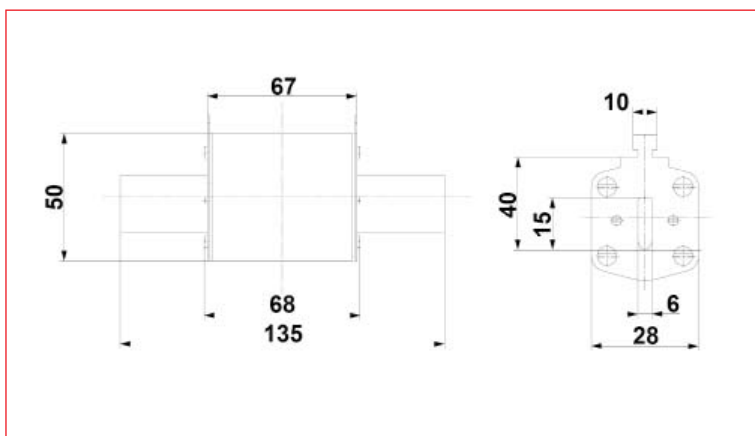
ISP01035

Schrack-Info

- The electrical resistance of the fuse links can be reduced by special design of the fuse wires for AC 400 V versus 500 V AC. Less power loss and heat-up – the fuses are energy-saving!
- Series ISP are with corrosion-resistant metal pasts
- Combi indicator: top and centre series ISP

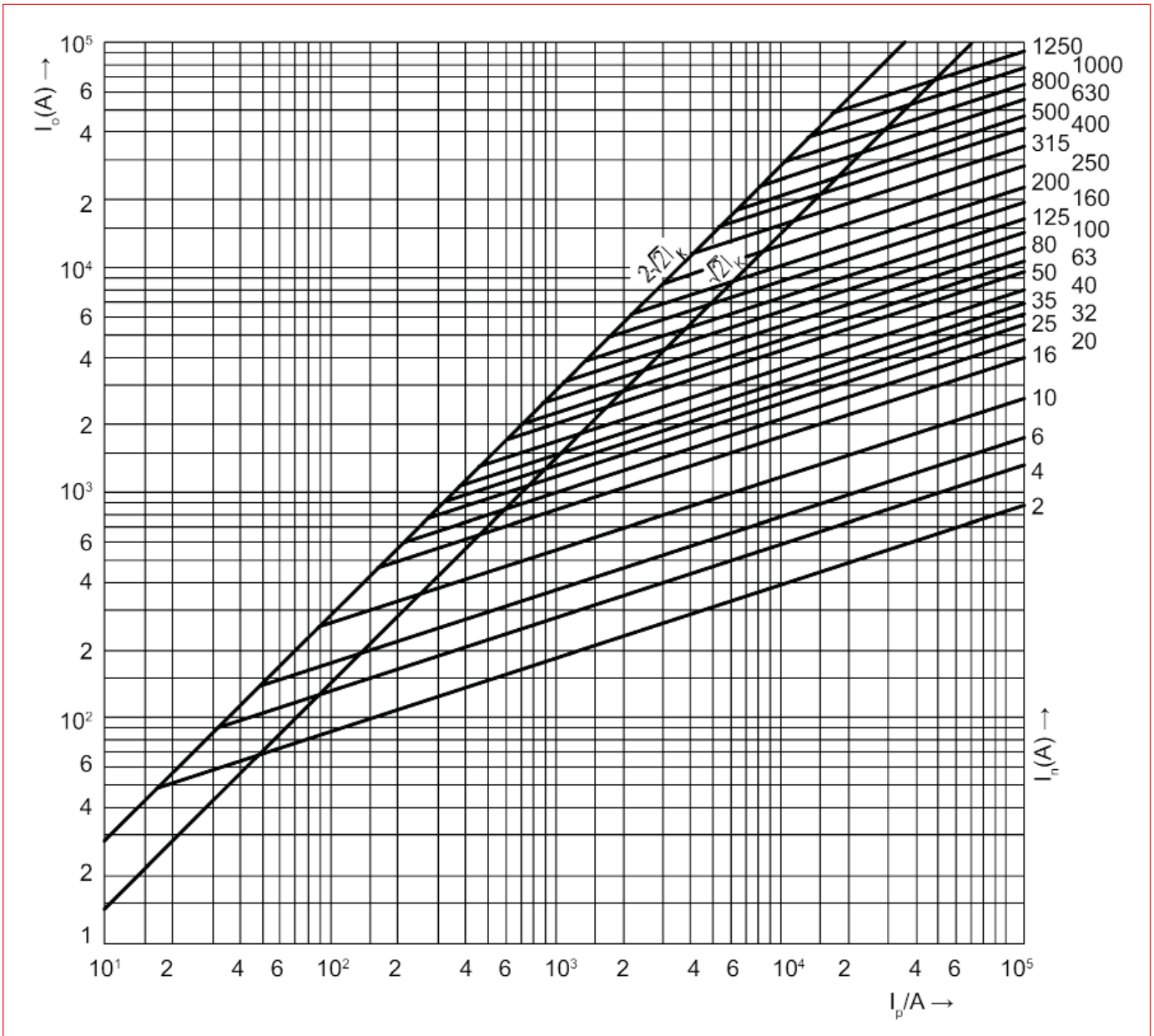
Size	NH 1		NH 1	
Series	ISP		SI	
Rated voltage	400V-AC		690V-AC	
Rated current	35A - 250A		160A, 200A	
Rated breaking capacity	100kA		160A: 120kA, 200A: 80kA	
Utilisation category	gG		gG	
Clips and screws	corrosion-resistant		corrosion-resistant	
Standards	IEC/EN 60269-1		IEC/EN 60269-1	
Powerdissipation	35A	3,6W	160A	14,6W
	50A	4,5W	200A	19W
	63A	5,4W		
	80A	5,4W		
	100A	7,9W		
	125A	8,7W		
	160A	12,3W		
	200A	13,5W		
	224A	15,1W		
250A	17,2W			

1 / 35A - 250A



NH (HRC) - fuse links, size 1

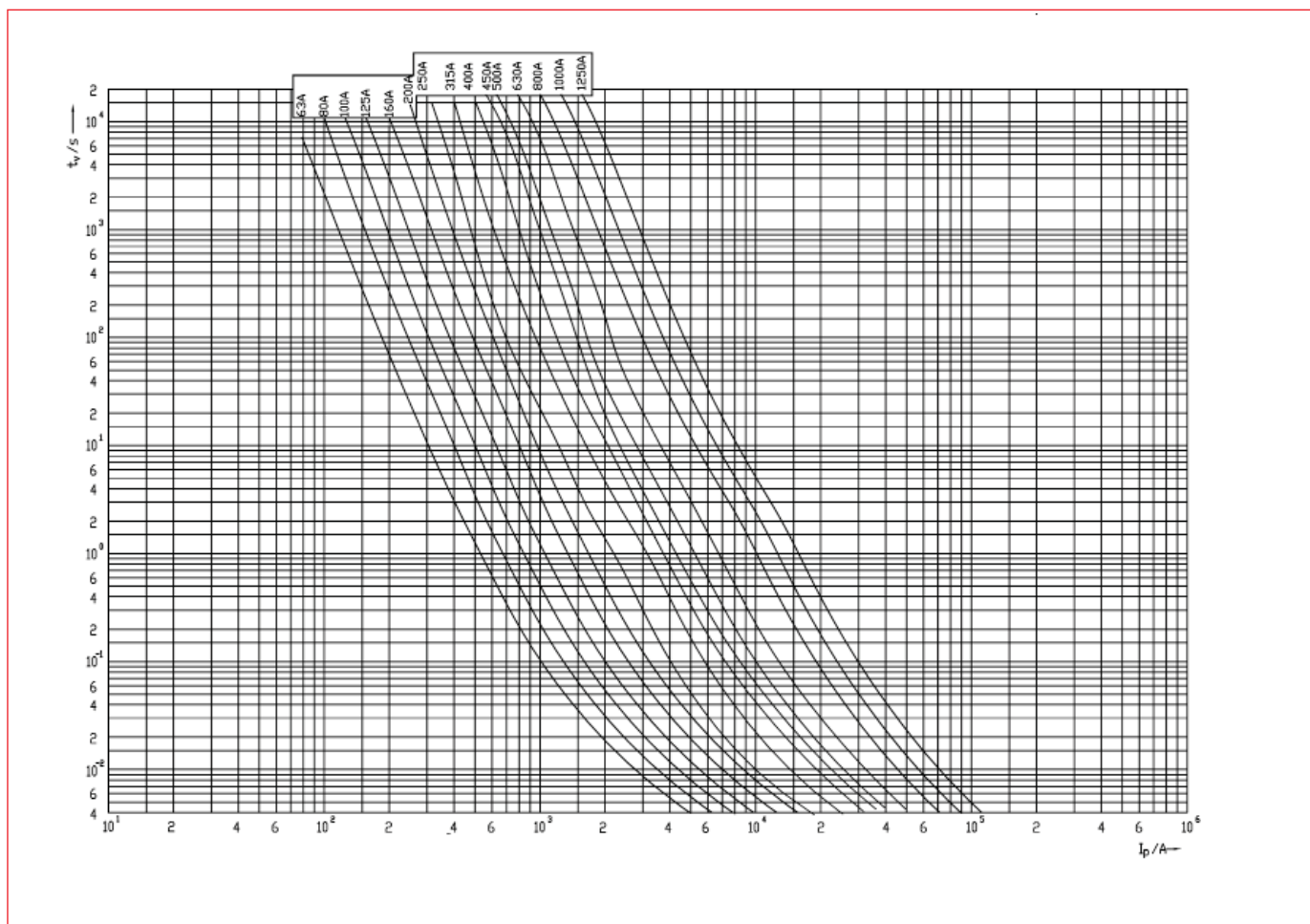
Peak let-through current chart



Accessories for NH (HRC) - material

■ NH (HRC) - fuse links, size 1

■ Time current characteristics gG (gL)



Page
150

DESCRIPTION	AVAILABLE	ORDER NO.
400V-AC		
35A / 400V-AC		ISP01035
50A / 400V-AC		ISP01050
63A / 400V-AC		ISP01063
80A / 400V-AC		ISP01080
100A / 400V-AC		ISP01100
125A / 400V-AC		ISP01125
160A / 400V-AC		ISP01160
200A / 400V-AC		ISP01200
224A / 400V-AC		ISP01224
250A / 400V-AC		ISP01250
690V-AC		
160A / 690V-AC		SI039290
200A / 690V-AC		SI039300



NH (HRC) - fuse links, size 2



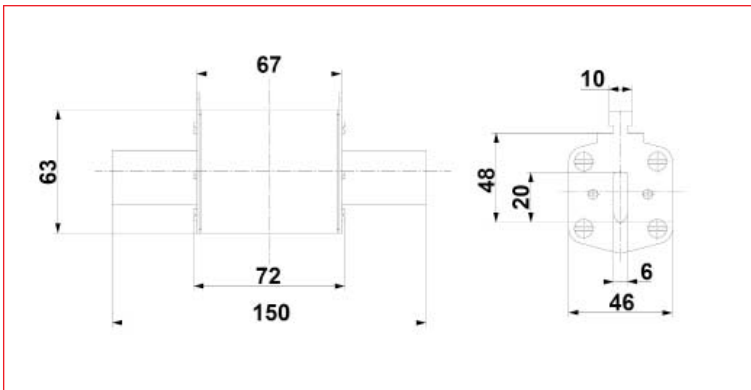
ISP02035

Schrack-Info

- The electrical resistance of the fuse links can be reduced by special design of the fuse wires for AC 400 V versus 500 V AC. Less power loss and heat-up – the fuses are energy-saving!
- Series ISP are with corrosion-resistant metal pasts
- Combi indicator: top and centre series ISP

Size	NH 2	
Series	ISP	
Rated voltage	400V-AC	
Rated current	35A - 400A	
Rated breaking capacity	100kA	
Utilisation category	gG	
Clips and screws	corrosion-resistant	
Standards	IEC/EN 60269-1	
Powerdissipation	35A	5,5A
	50A	5,5A
	63A	5,5A
	80A	6,4A
	100A	7,6A
	125A	8,7A
	160A	12,3A
	200A	13,5A
	225A	15,4A
	250A	17,6A
	315A	21,9A
	400A	26,3A

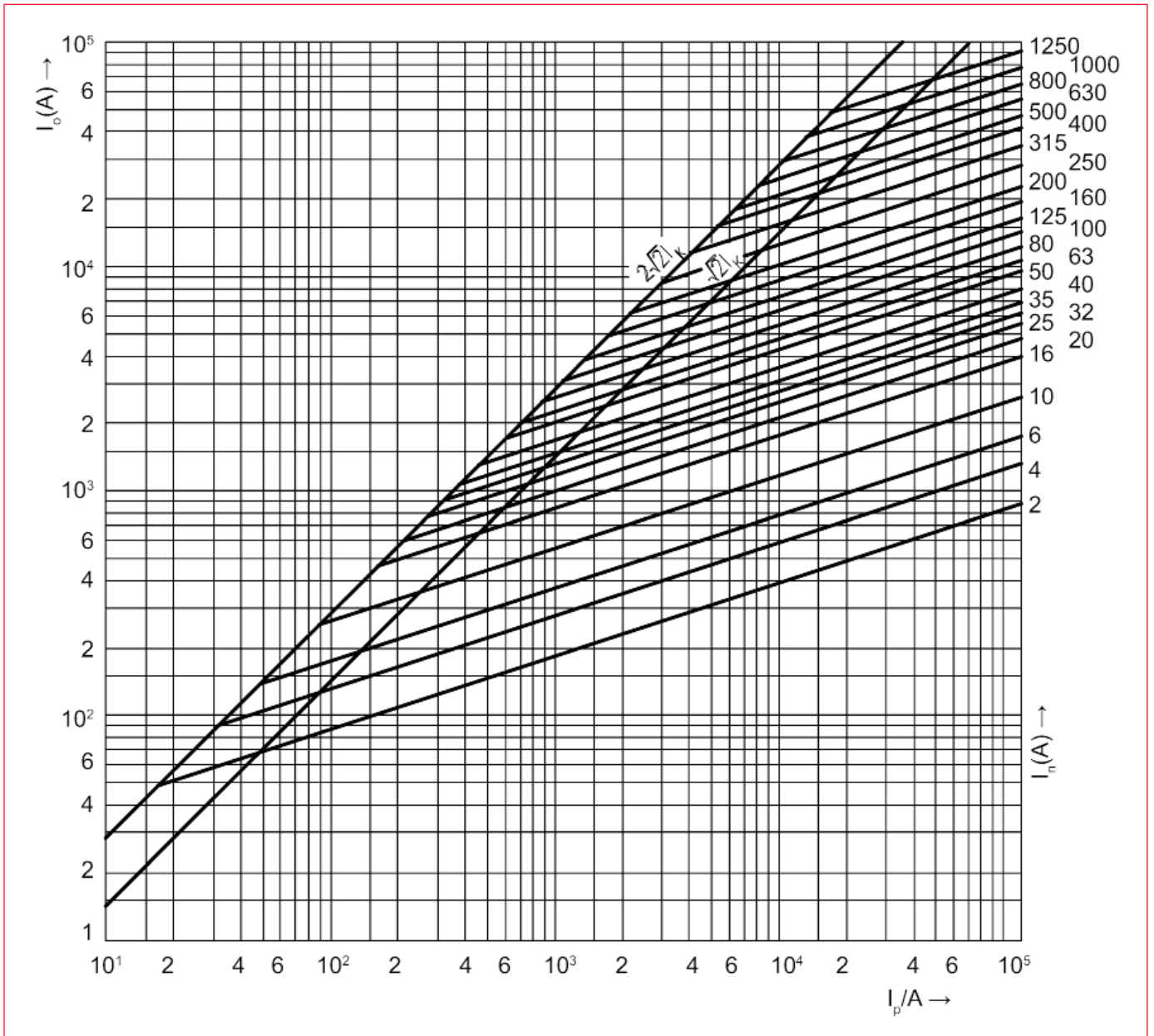
2 / 35A - 400A



Accessories for NH (HRC) - material

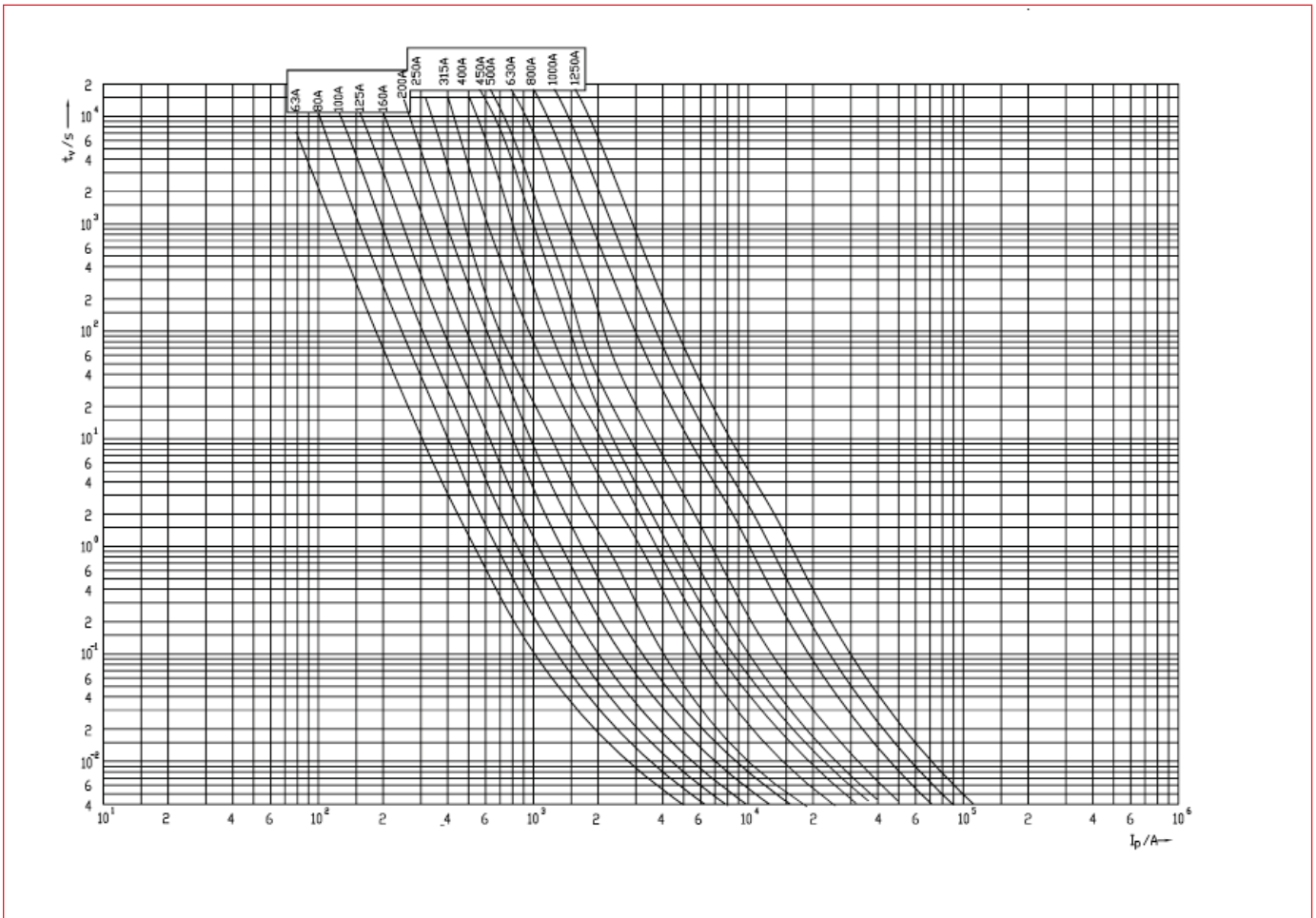
■ NH (HRC) - fuse links, size 2


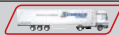

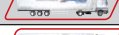




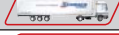
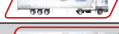
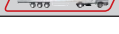

■ Peak let-through current chart



NH (HRC) - fuse links, size 2

Time current characteristics gG (gL)



DESCRIPTION	AVAILABLE	ORDER NO.
400V-AC		
35A / 400V-AC		ISP02035
50A / 400V-AC		ISP02050
63A / 400V-AC		ISP02063
80A / 400V-AC		ISP02080
100A / 400V-AC		ISP02100
125A / 400V-AC		ISP02125
160A / 400V-AC		ISP02160
200A / 400V-AC		ISP02200
225A / 400V-AC		ISP02225
250A / 400V-AC		ISP02250
315A / 400V-AC		ISP02315
350A / 400V-AC		ISP02350
400A / 400V-AC		ISP02400



Order no. blue: on stock, usually ready for delivery on the day of order

NH (HRC) - fuse links, size 3



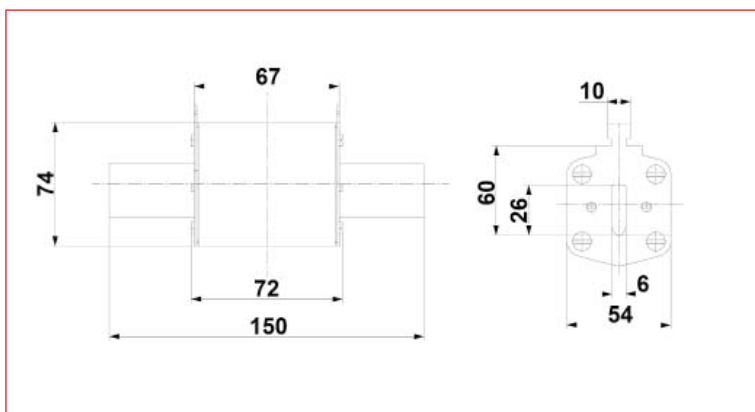
ISP03400

Schrack-Info

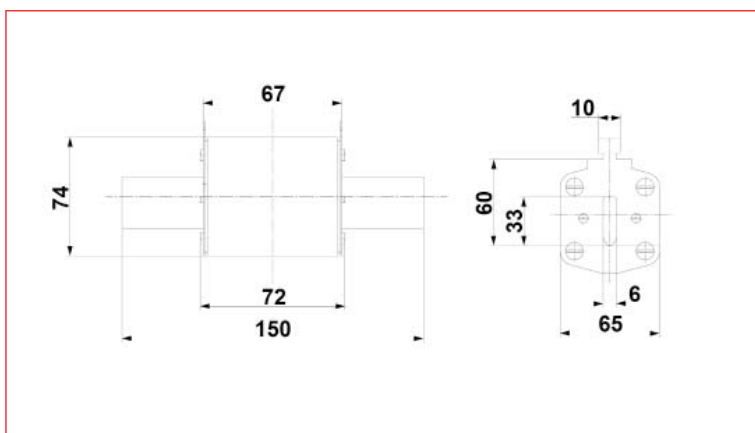
- The electrical resistance of the fuse links can be reduced by special design of the fuse wires for AC 400 V versus 500 V AC. Less power loss and heat-up – the fuses are energy-saving!
- Series ISP are with corrosion-resistant metal pasts
- Combi indicator: top and centre series ISP

Size	NH 3	
Series	ISP	
Rated voltage	400V-AC	
Rated current	200A - 630A	
Rated breaking capacity	100kA	
Utilisation category	gG	
Clips and screws	corrosion-resistant	
Standards	IEC/EN 60269-1	
Powerdissipation	200A	13,5W
	250A	16W
	315A	19W
	400A	24,5W
	500A	30W
	630A	41W

3 / 200A - 400A

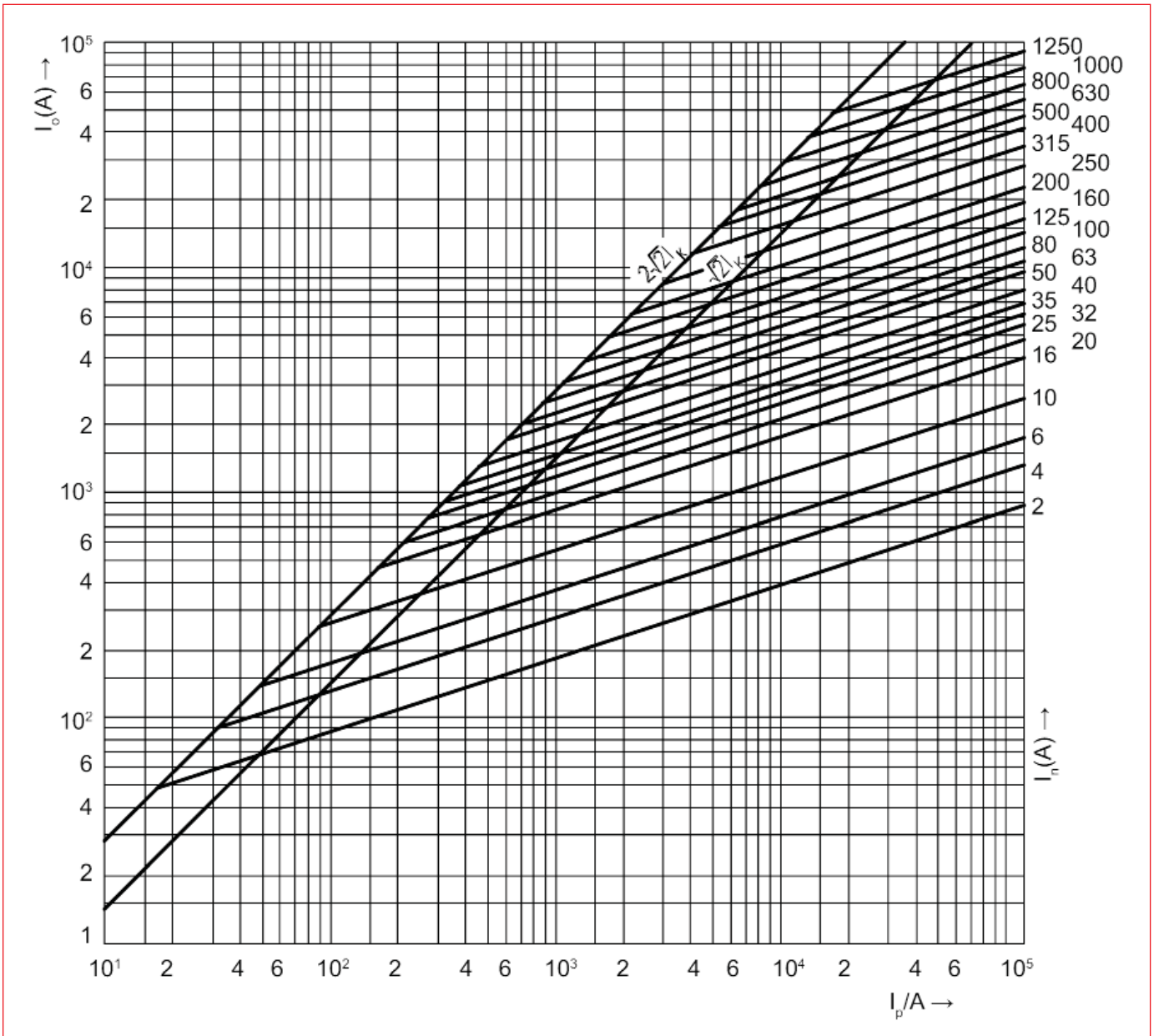


3 / 500A - 630A



NH (HRC) - fuse links, size 3

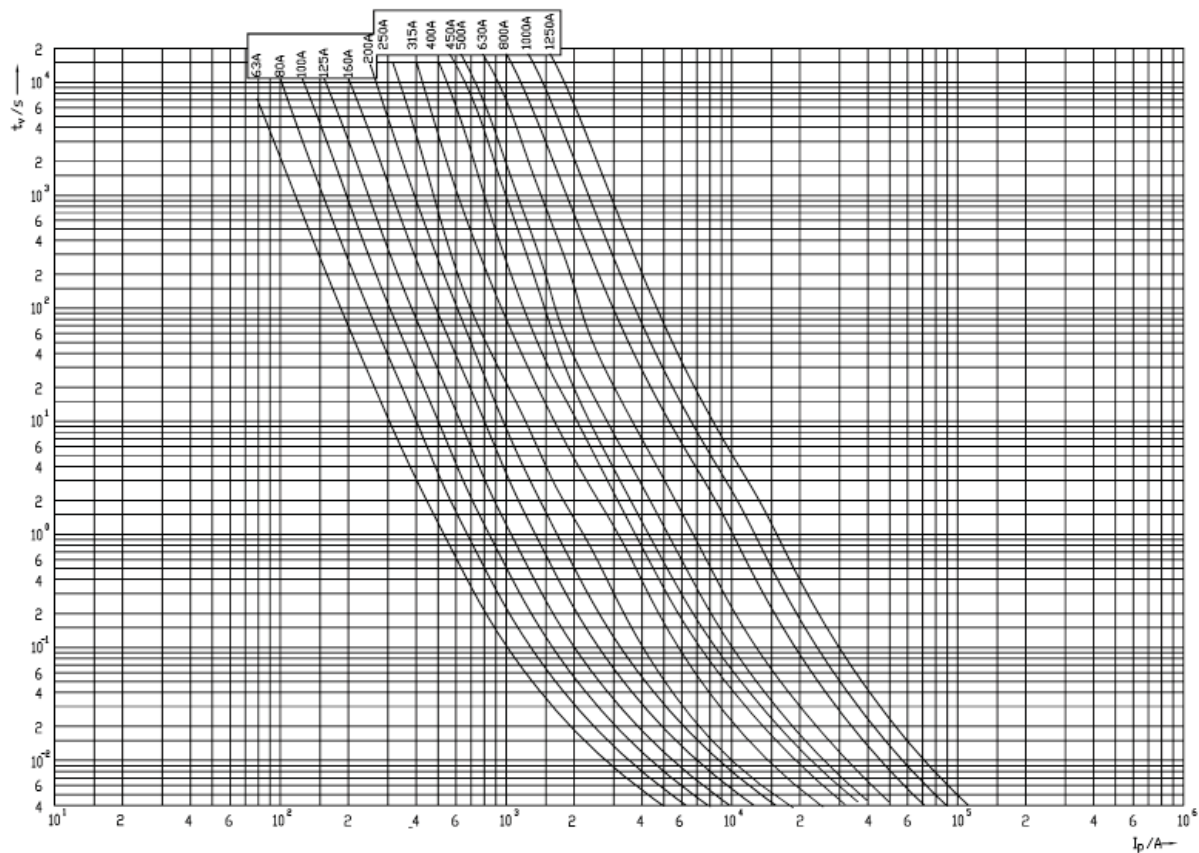
Peak let-through current chart








Accessories for NH (HRC) - material

NH (HRC) - fuse links, size 3

Time current characteristics gG (gL)



DESCRIPTION	AVAILABLE	ORDER NO.
400V-AC		
200A / 400V-AC		ISP03200
250A / 400V-AC		ISP03250
315A / 400V-AC		ISP03315
400A / 400V-AC		ISP03400
500A / 400V-AC		ISP03500
630A / 400V-AC		ISP03630
Fuse element with special knife 800A / 400V-AC		ISP04800



NH (HRC) knife links



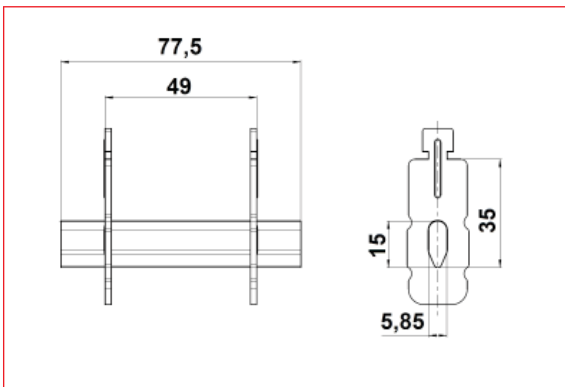
S1031640

Schrack-Info

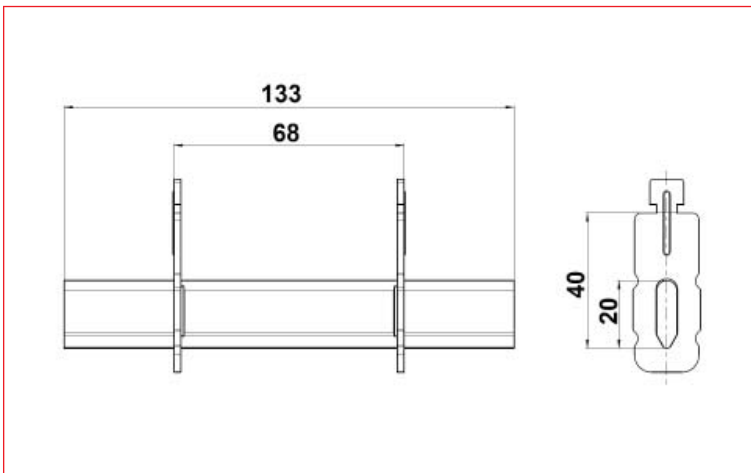
- NH (HRC) knife links for fuse bases, breaker and in-line-fuse disconnectors

Size	NH00	NH1	NH2	NH3
Rated current	160A	250A	400A	630A
Power dissipation	2W	5W	10W	21W
Contact type	Blade contact			
Gripping lugs	live			

Size 00



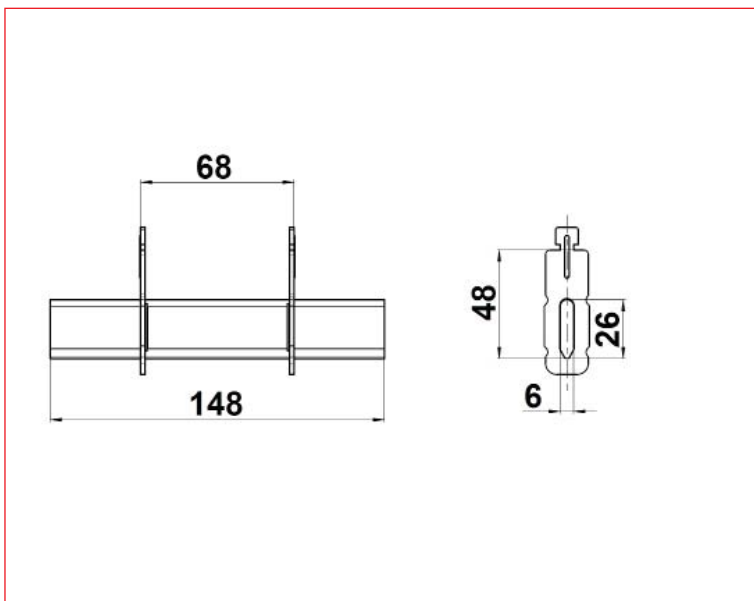
Size 1



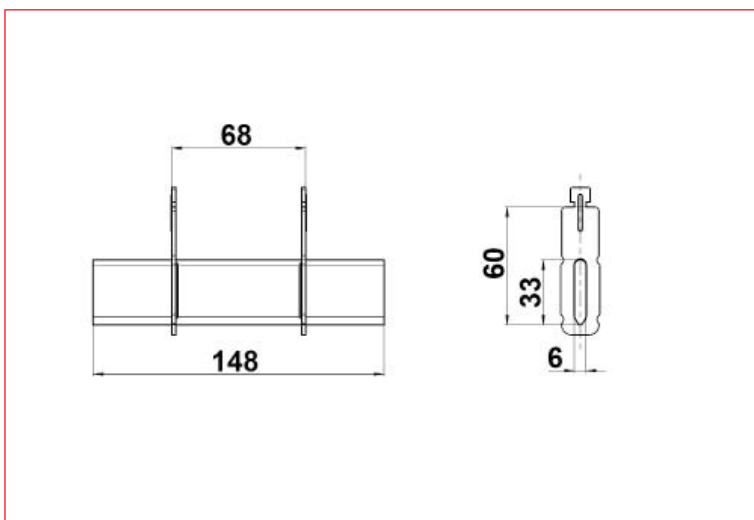
Accessories for NH (HRC) - material

NH (HRC) knife links

Size 2



Size 3



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00 / 160A		SI031610
Size 1 / 250A		SI031620
Size 2 / 400A		SI031630
Size 3 / 630A		SI031640

Busbar-supports for 60 mm system, series Wöhner



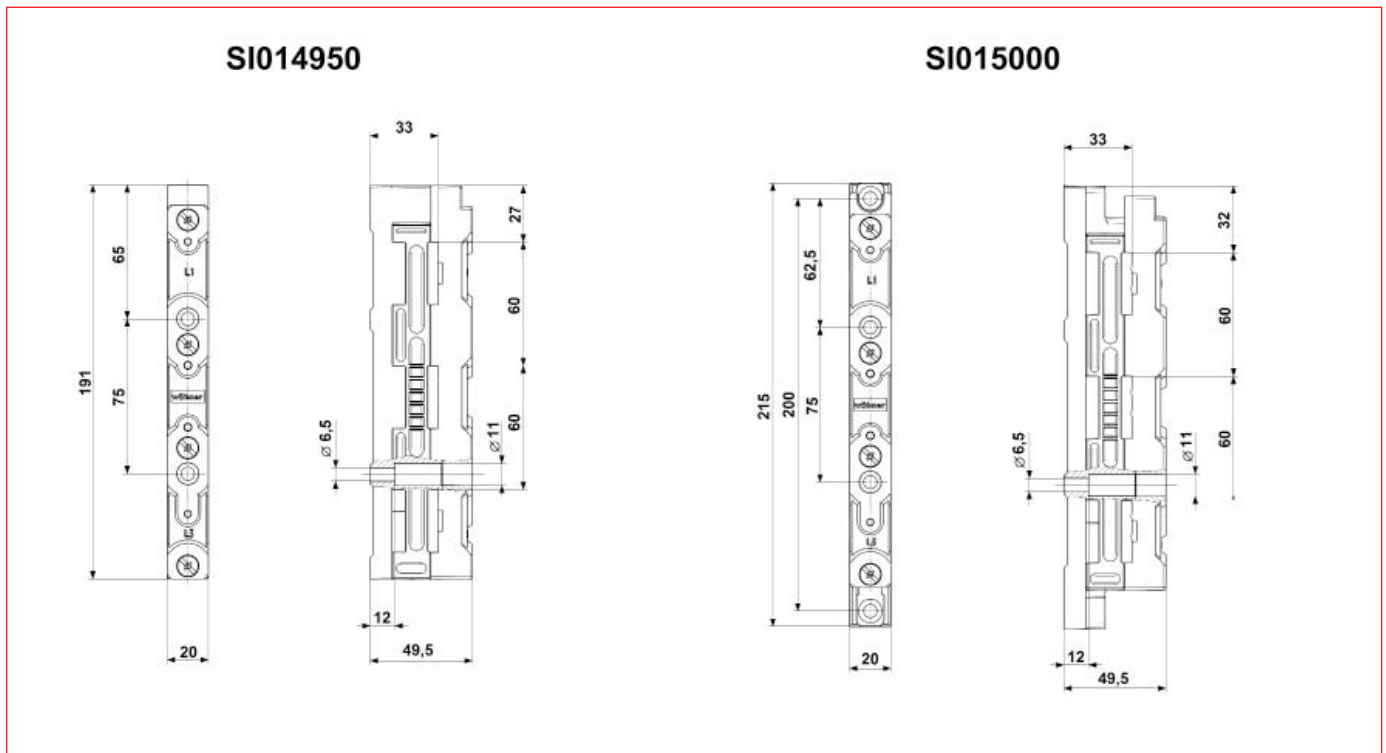
SI014950

Schrack-Info

- The 60mm busbar System (60Classic) has a wide range of busbars available even with its small dimension
- Safe, saves space and clearly arranged in its design
- Disposes over a large variety of components

Type:	Universal busbar support
System:	60Classic
Rated voltage (IEC) AC:	690 V
Rated voltage (UL) AC:	600 V
Rated surge voltage U_{imp} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Max. permitted voltage (IEC) DC:	1500 V

SI014950/SI015000 Dimensions



Busbar-supports for 60 mm system, series Wöhner

DESCRIPTION	AVAILABLE	ORDER NO.
Universal busbar support 3-pole with internal screw holes for busbars 12, 15, 20, 25, 30 x 5, 10		SI014950
Universal busbar support 3-pole with additional external screw holes for busbars 12, 15, 20, 25, 30 x 5, 10		SI015000
End cover for busbar support SI014950 and SI015000		SI015730
PE/N-support, single pole		SI016010
Terminal busbar support 3-pole, with integrated terminals 1.5 - 16 mm ² for busbars 12, 15, 20, 25, 30 x 5, 10		SI014840
Universal busbar support UL, 3-pole 0		SI015080
Terminal busbar support 3-pole, with integrated terminals 1.5 - 16 mm ² for busbars 12, 15, 20, 25, 30 x 5, 10		SI014850
Busbar support 3 phases + N + E, for 3x (12, 20, 30 x 10) and 2x (12, 20, 25 x 5, 10) busbars		SI011380
Spacer for busbar support VMS for copper busbars 5 mm		SI011700
Trim frame VMS		SI011390
PE/N-support 2-pole, individual mountable for busbars 12, 15, 20, 25, 30 x 5, 10		SI013560
Busbar support 3-pole, with internal screw holes for double T profile		SI012310
Busbar support 3-pole, with internal screw holes for triple T profile		SI012320
End cover for busbar supports SI012310 and SI012320		SI012340
End cover for busbar supports SI014850		SI011310
Base plate UL508		SI015150
Busbar support, 1-pole sys.60 for T and TT busbar		SI011160

Copper-busbars



SI016190

Schrack-Info

- Tin-plated Cu busbars considerably reduce the effort of preparing the contact points.
- The Cu busbars are effectively protected against aggressive media.

DESCRIPTION	AVAILABLE	ORDER NO.
12 x 5mm, 2,4m length, tinned, 200A		SI016180
20 x 5mm, 2,4m length, tinned, 320A		SI016200
30 x 5mm, 2,4m length, tinned, 450A		SI016220
30 x 10mm, 2,4m length, tinned, 630A		SI016250
30 x 10mm, 3,6m length, tinned, 630A		SI012040
40 x 10mm, 2,4m length, tinned, 850A		SI016260
50 x 10mm, 2,4m length, tinned, 1000A		SI016270
60 x 10mm, 2,4m length, tinned, 1250A		SI016280
15 x 5mm, 2,4m length, tinned, 250A		SI016190
20 x 10mm, 2,4m length, tinned, 520A		SI016240
80 x 10mm, 2,4m length, tinned, 1500A		SI017650
100 x 10mm, 2,4m length, tinned, 1800A		SI017660
120 x 10mm, 2,4m length, tinned, 2100A		SI017670

Busbar Connection terminals for EXTENSION



SI012740

Schrack-Info

- For drill-free connection of equal busbars
- Für busbars 12-30x5/10, or TT profile and TTT profile
- Current carrying capacity 520 A - 2500 A

DESCRIPTION	AVAILABLE	ORDER NO.
Busbar-extension-connection 520 A, 55 mm, for busbars 12 x 5 to 20 x 10		SI011660
Busbar-extension-connection 630 A, 150 mm, for busbars 12 x 5 to 20 x 10		SI011930
Busbar-extension-connection 630 A, 40 mm, for busbars 20 x 5 to 30 x 10		SI018230
Busbar-extension-connection 630 A, 95 mm, for busbars 20 x 5 to 30 x 10		SI011410
Busbar-extension-connection 630 A, 150 mm, for busbars 20 x 5 to 30 x 10		SI018860
Busbar-extension-connection 630 A, 1600 A, 95 mm, for double T profile		SI011450
Busbar-extension-connection 1600 A, 150 mm, for double T profile		SI018290
Busbar-extension-connection 2500 A, 95 mm, for triple T profile		SI012740
Busbar-extension-connection 2500 A, 150 mm, for triple T profile		SI012750
Connecting set 1600 A (3-pole), 150 mm, flexible connection, for double T profile		SI303220
For T/TT-Profil/1600A/length 60mm		SI304730
Flat terminal connection of width 35 and 30 for flat busbars		SI015870



UNIVERSAL CONDUCTOR terminals



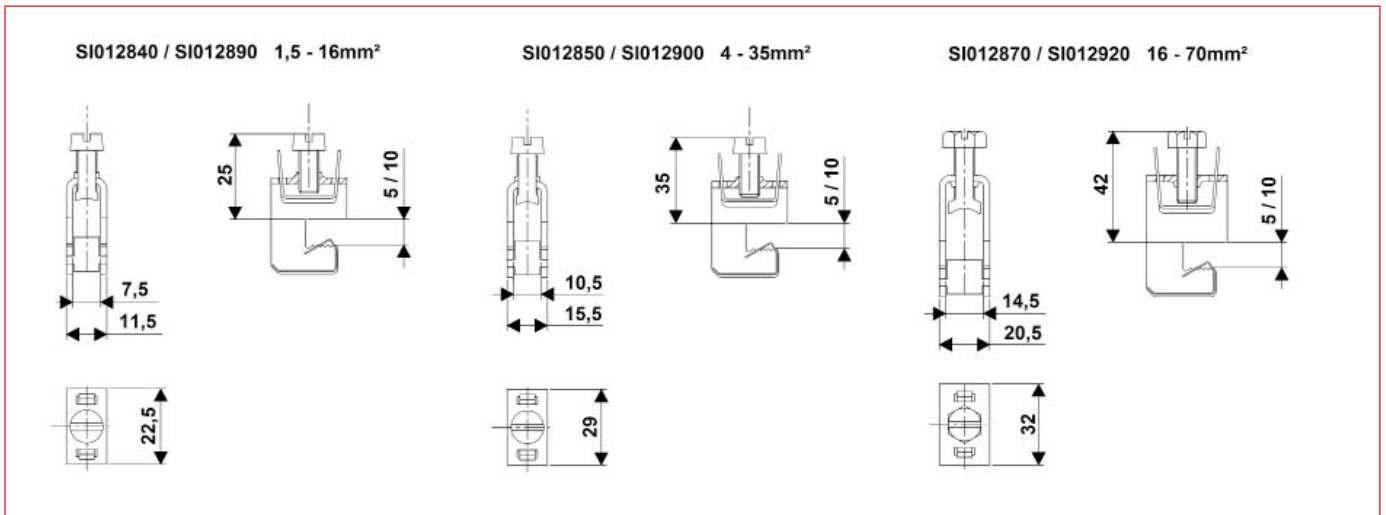
SI012840

Schrack-Info

- Connection of conductors 1.5-120 mm²
- For 5 or 10 mm thick busbars
- Integrated retaining spring
- Open terminal compartment and captive terminal screw allow easy mounting
- Nominal cross-section and tightening torque indicated on terminal

Electrical data	SI012840	SI012850	SI012870	SI012890	SI012900	SI012920
For busbars:	5mm flat busbars	5mm flat busbars	5mm flat busbars	10mm flat busbars	10mm flat busbars	10mm flat busbars, double-T and triple-T section
Cross section:	1,5 - 16 mm ²	4 - 35 mm ²	16 - 70 mm ²	1,5 - 16 mm ²	4 - 35 mm ²	16 - 70 mm ²
Rated current (IEC):	65 A	115 A	175 A	65 A	115 A	175 A
Rated voltage (IEC) AC:	690 V	690 V	690 V	690 V	690 V	690 V
Rated current (UL):	55 A	95 A	175 A	55 A	95 A	175 A
Rated voltage (UL) AC:	600 V	600 V	600 V	600 V	600 V	600 V
Current carrying capacity (IEC) max.:	180 A	270 A	400 A	180 A	270 A	400 A
Max. permitted voltage (IEC) AC:	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Max. permitted voltage (IEC) DC:	1500 V	1500 V	1500 V	1500 V	1500 V	1500 V
Rated peak withstand current Ipk:	30.6 kA	34.9 kA	46.7 kA	30.6 kA	34.9 kA	46.7 kA
Connecting screws:	screw +/- (PZ3), galvanized, chromized					
Terminal body:	steel, galvanized and chromized					
Retaining spring:	corrosion-resistant spring steel					
Terminal points:	1,5 - 16 mm ² / AWG 14 - AWG 6	4 - 35 mm ² / AWG 10 - AWG 2	16 - 70 mm ² / AWG 4 - AWG 2/0	1,5 - 16 mm ² / AWG 14 - AWG 6	4 - 35 mm ² / AWG 10 - AWG 2	16 - 70 mm ² / AWG 4 - AWG 2/0
	flexible cables, directly or with wire-end ferrule (flexible cables of maximum cross-section may not fit when using wire-end ferrule), solid and stranded round cables,					
	la. Cu 8 x 6 x 0,5	la. Cu 3 x 9 x 0,8 or 6 x 9 x 0,8	la. Cu 2x 3 x 9 x 0,8 or 6 x 9 x 0,8 or 6 x 13 x 0,5	la. Cu 8 x 6 x 0,5	la. Cu 3 x 9 x 0,8 or 6 x 9 x 0,8	la. Cu 2x 3 x 9 x 0,8 or 6 x 9 x 0,8 or 6 x 13 x 0,5

SI012840/SI012890/SI012850/SI012900/SI012870/SI012920 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
5mm / 1,5 - 16mm ²		SI012840
5mm / 4 - 35mm ²		SI012850
5mm / 16 - 70mm ²		SI012870
5mm / 16 - 120mm ²		SI010680
10mm / 1,5 - 16mm ²		SI012890
10mm / 4 - 35mm ²		SI012900
10mm / 16 - 70mm ²		SI012920
10mm / 16-120 mm ²		SI012030

BRACE terminals



S1013190

Schrack-Info

- Connection of Cu and Al conductors 95-300 mm² or flexible copper busbars up to 32x20
- Complete gripping by jaw-type terminals
- For busbars 20x5-30x10, or TT-, TTT-, TCC-profile
- Nominal cross-section and tightening torque indicated on terminal

DESCRIPTION	AVAILABLE	ORDER NO.
Brace terminal for Cu and AL 95-185 mm ² , 500A, terminal space 30x20		S1013180
Brace terminal for busbar 20 x 5 to 30 x 10 and section busbars 30 x 20		S1013190
Brace terminal for laminated Cu from 3 x 20 x 1 up to 10 x 24 x 1		S1017590
Brace terminal for Cu and AL 150-300 mm ² , max. 600 A, terminal-space 32x25		S1017600
Flat terminal connection of width 25 and 20 for flat busbars		S1019960



Connection TERMINAL-PLATES for 60 mm system



SI012430



SI015630



SI012400

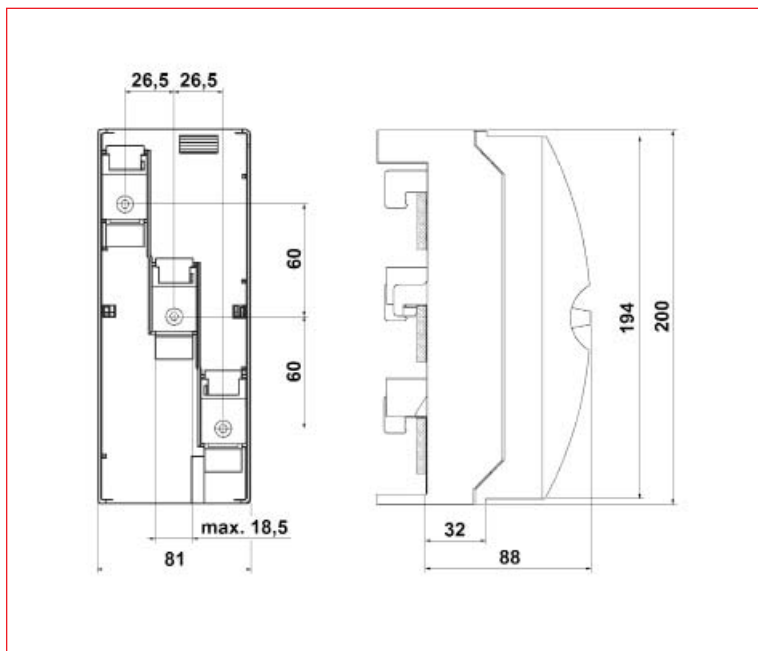
Schrack-Info

- 3-pole
- Including cover cap
- For conductors 6-300 mm², or small busbars up to 32x20
- For busbars 12x5 - 30x10, TT, TTT, TCC-profile
- Terminals can be removed for connection of uncut conductors

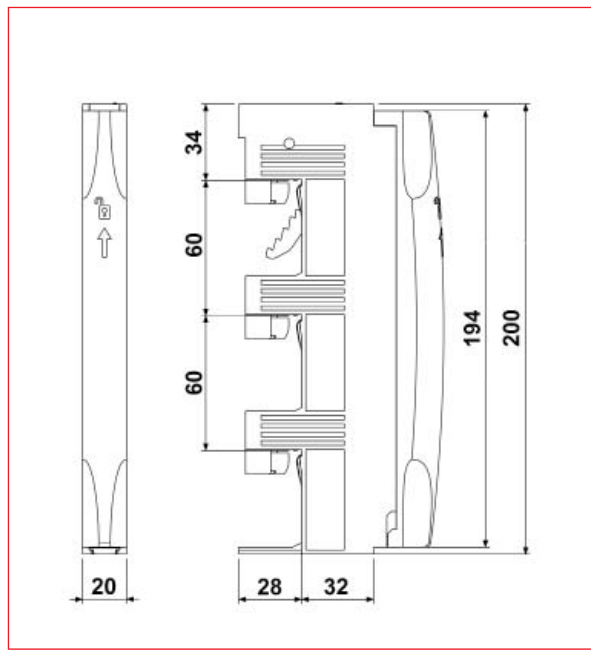
Type	SI015630 / CRITO®60Classic	SI012400 / CRITO®60Classic	SI012430 / CRITO®60Classic
		connection module 16 mm ² , 3-pole with spring terminals	Connecting terminal plate, 3 pole with screw terminals
Cross section	1,5 - 16 mm ²	6 - 50 mm ²	35 - 120 mm ²
Poles:	3-pole	3-pole	3-pole
System	60mm / 60Classic		
For busbars:	12, 15, 20, 25, 30 x 5, 10 and double-T and triple-T section		
Rated current (IEC):	80 A	175 A	250 A
Rated voltage (IEC) AC:	690 V	690 V	690 V
Rated isolation voltage U _i (AC):	1000 V	800 V	800 V
Rated surge voltage U _{imp} :	6 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	1000 V	800 V	800 V
Max. permitted voltage (IEC) DC:	1000 V	800 V	800 V
Rated peak withstand current I _{pk} :	5 kA	40.5 kA	56.3 kA
Terminal points:	Cu 1.5 - 16mm ²	6 - 50mm ²	35 - 120 mm ²
	round conductor solid or stranded, flexible, direct or with wire-end ferrule	flexible cables, directly or with wire-end ferrule,	flexible cables, directly or with wire-end ferrule,
		(flexible cables of maximum cross-section may not fit when using wire-end ferrule)	(flexible cables of maximum cross-section may not fit when using wire-end ferrule)
		stranded round cables la. Cu 7x4 - 9x6	stranded round cables, la. Cu 12x4 - 15,5x10

Connection TERMINAL-PLATES for 60 mm system

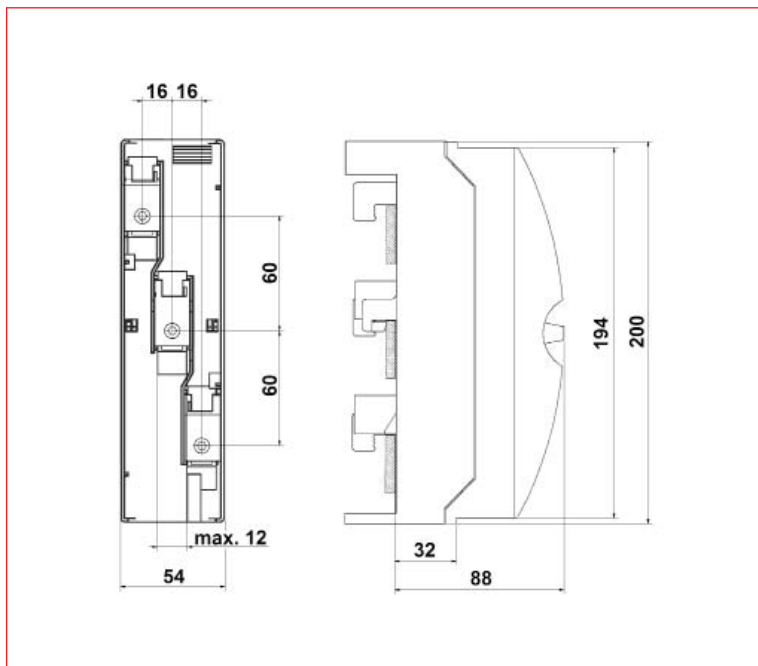
SI012430 Dimensions



SI015630 Dimensions



SI012400 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Connection module 16 mm ² , 3-pole with spring terminals		SI015630
6-50mm ² / Ia. Cu 6 x 9 x 0,8mm		SI012400
35-120mm ² / Ia. Cu 6 x 15,5 x 0,8 or 10 x 15,5 x 0,8mm		SI012430
95-185 mm ² / suitable for Al		SI011990
150-300 mm ² / Cu and Al / rm, se, sm		SI017540
For Ia. Cu from 3 x 20 x 1 to 10 x 32 x 1		SI017530
Connecting set, 3-pole, without cover for round conductors		SI015370
Connecting set, 4-pole, without cover for round conductors		SI011470

COVER CAPS for 60 mm system

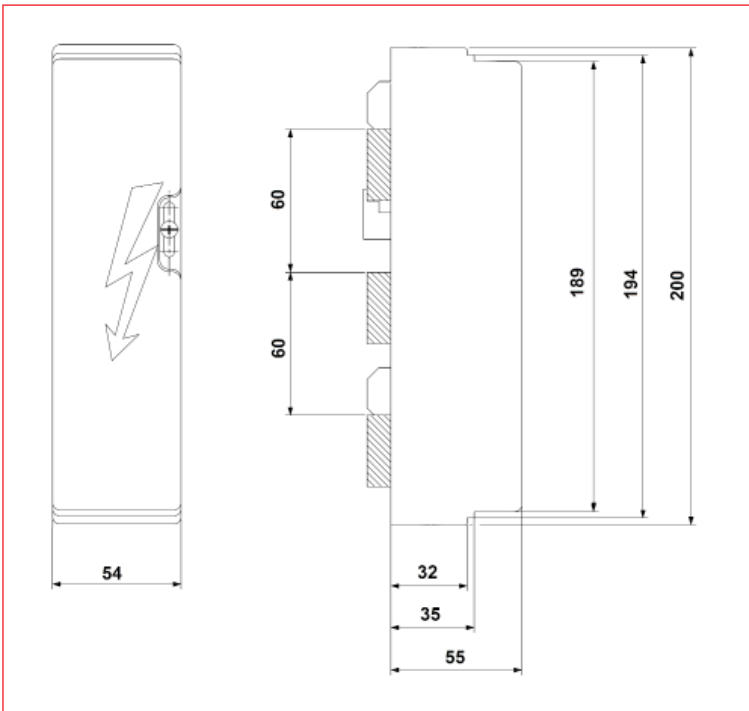


SI015900

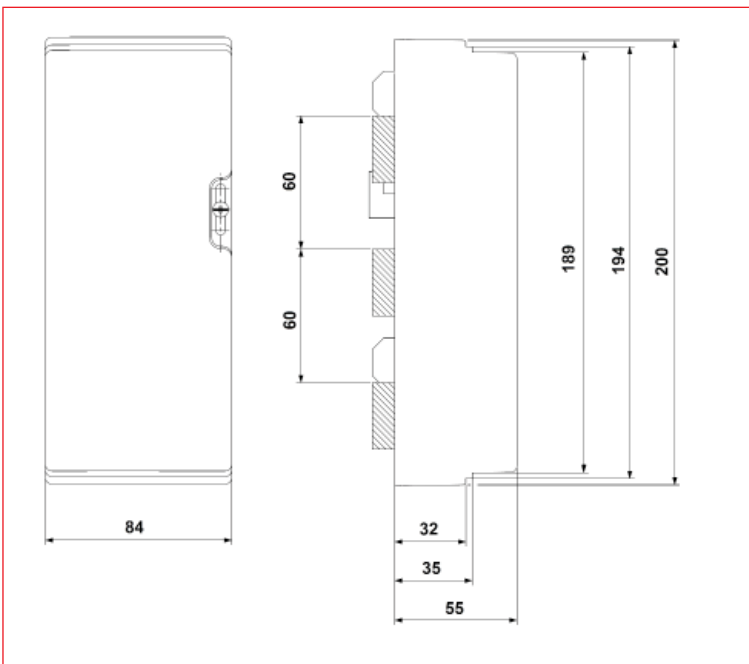
Schrack-Info

- Terminal-cover for 60mm busbar-system
- 3-pole
- For busbars: 12-30 x 5-10, double-T and triple-T section

SI015900 Dimensions

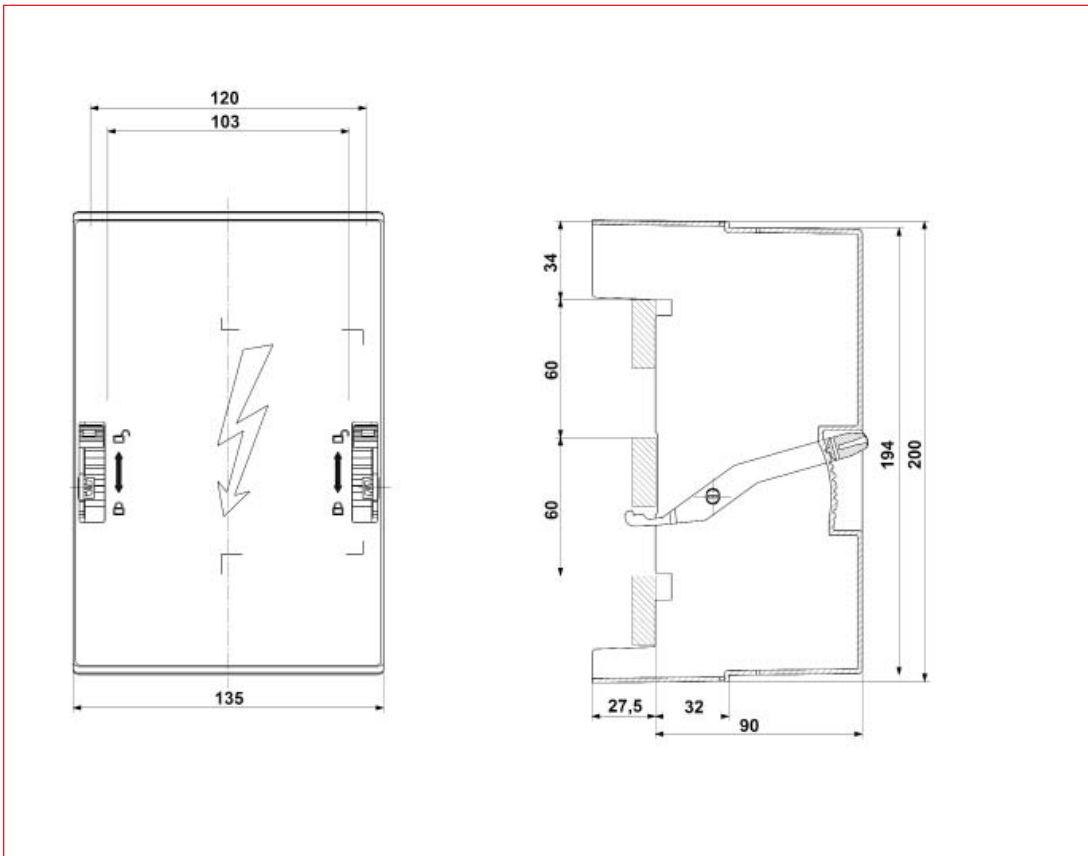


SI014310 Dimensions

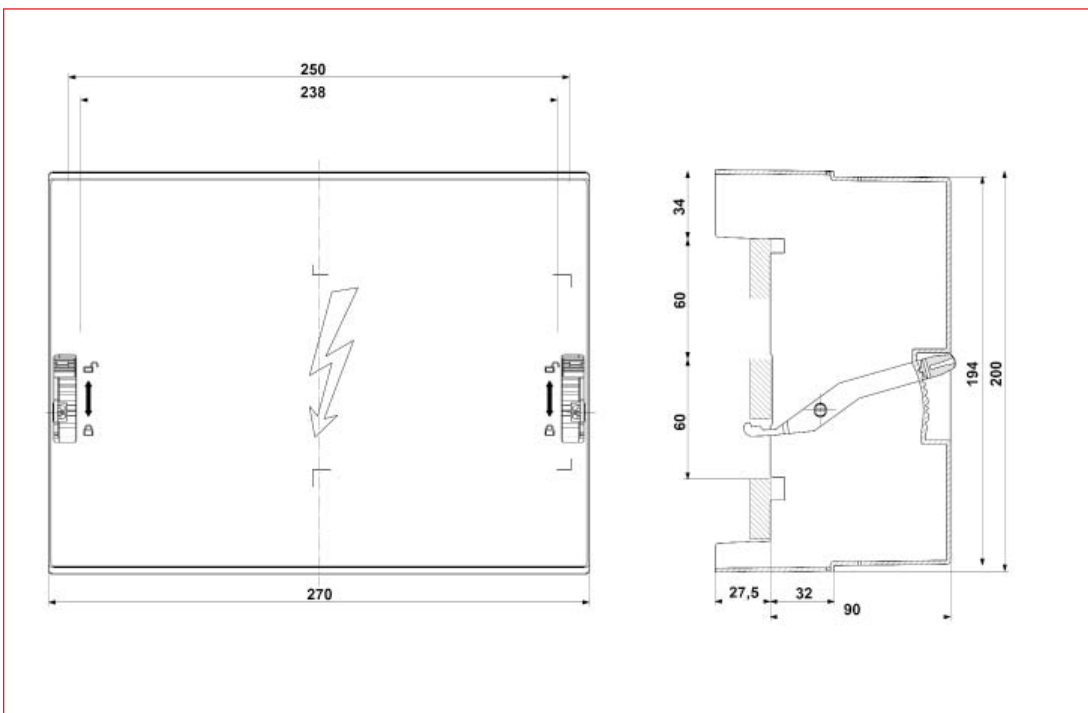




COVER CAPS for 60 mm system

SI017560 Dimensions



SI017570 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Cover cap, 3-pole 54 x 200 x 55 mm		SI015900
Cover cap, 3-pole 84 x 200 x 55 mm		SI014130
Cover cap, 3-pole 135 x 200 x 90 mm		SI017560
Cover cap, 3-pole 270 x 200 x 90 mm		SI017570

Connection terminals for SMALL busbars



SI010940

Schrack-Info

- For 5 and 10 mm thick busbars, as well as special profiles
- Connection of conductors 1.5-120 mm²
- Integrated retaining spring
- Open terminal compartment and captive terminal screw allow easy mounting
- Nominal cross-section and tightening torque indicated on terminal

DESCRIPTION	AVAILABLE	ORDER NO.
Terminal for round conductor for busbar 30 x 10, T and TT, 95-300 mm ² , 630A, terminal space 41x25		SI010940



PROFILE terminals



SI019060

Schrack-Info

- Connection of Cu and Al conductors 95-300 mm² or flexible copper busbars up to 32x20
- Complete gripping by jaw-type terminals
- For busbars 20x5-30x10, or TT-, TTT-, TCC-profile
- Nominal cross-section and tightening torque indicated on terminal

DESCRIPTION	AVAILABLE	ORDER NO.
Profile terminal space 51 x 5-28mm		SI019060
TTT-bausbar, 2500A (current carrying capacity acc. to IEC), terminal space 64 x 23-45mm		SI010080
TT-profile-terminal, terminal space 41 x 20-42mm		SI011850
T/TT-profile, terminal space 51 x 20 - 42 mm		SI019360
TTT-profile-terminal, terminal space 101 x 23 - 45mm		SI011860


STUD-TYPE-TERMINAL CLIP-ON



SI015140

Schrack-Info

- For connection without drilling of conductors with cable lugs DIN 46234 and DIN 46235
- For busbars 5 or 10 mm or TT, TTT, TCC-profile
- Tightening torque marked on the terminal.

DESCRIPTION	AVAILABLE	ORDER NO.
10mm / M8, 8mm available length / 490A		SI015140
10mm / M10, 10mm available length / 630A		SI010470






BRACE terminals



SI019970

Schrack-Info

- For overlapping connection of small busbars and flexible copper busbars longitudinally and laterally.
- For 5 and 10 mm thick busbars.

DESCRIPTION	AVAILABLE	ORDER NO.
Flat terminal connection of width 25 and 20 for flat busbars		SI019960
30 x 20 x 5-20mm high		SI019970
30 x 30 x 5-20mm high		SI015860
32 x 40 x 5-20mm high		SI016160
20 x 40 x 5-20mm high		SI012060
32 x 50 x 5-20mm high		SI012070
63 x 40 x 5-20mm high		SI012180
63 x 50 x 5-20mm high		SI016170



Cover and accessories for busbars



SI010250

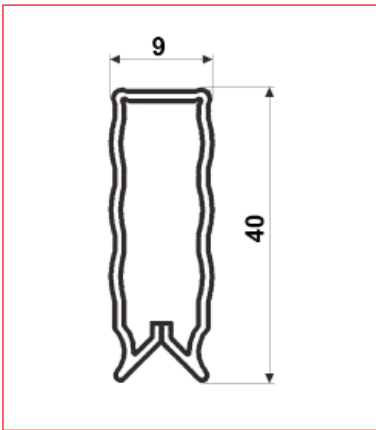


SI012440

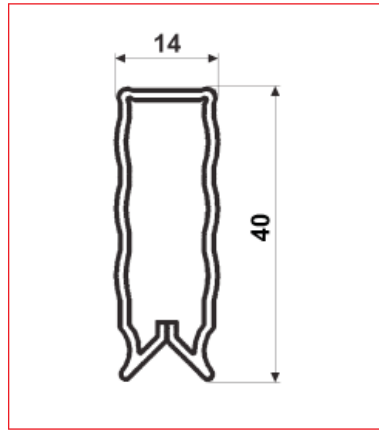
Schrack-Info

- Busbar-cover, 1 m, for single busbars
- Markings

SI012440



SI012450



DESCRIPTION	AVAILABLE	ORDER NO.
Busbar cover for bar 12 - 30 x 5mm		SI012440
Busbar cover for bar 12 - 30 x 10mm		SI012450
Busbar cover for bar 12 x 5 mm		SI784630
Mount reserve section cover f.reserve section cover SI010250		SI010260
Busbar section cover for 60mm busbar-system, 700mm		SI010250
Mount cover section for SI010250,SI012360,SI012370,SI012380		SI013200
Busbar cover for bar double TT- and TTT-profile, 1m		SI012520
Label PE Ø15 green/yellow		SI784420
Label N Ø15 blue		SI784430
Label earth/neutral, green-yellow/blue		SI784470
PEN-sticker		IS505020

Busbar-fuse load-breaker for 60 mm system, series Wöhner



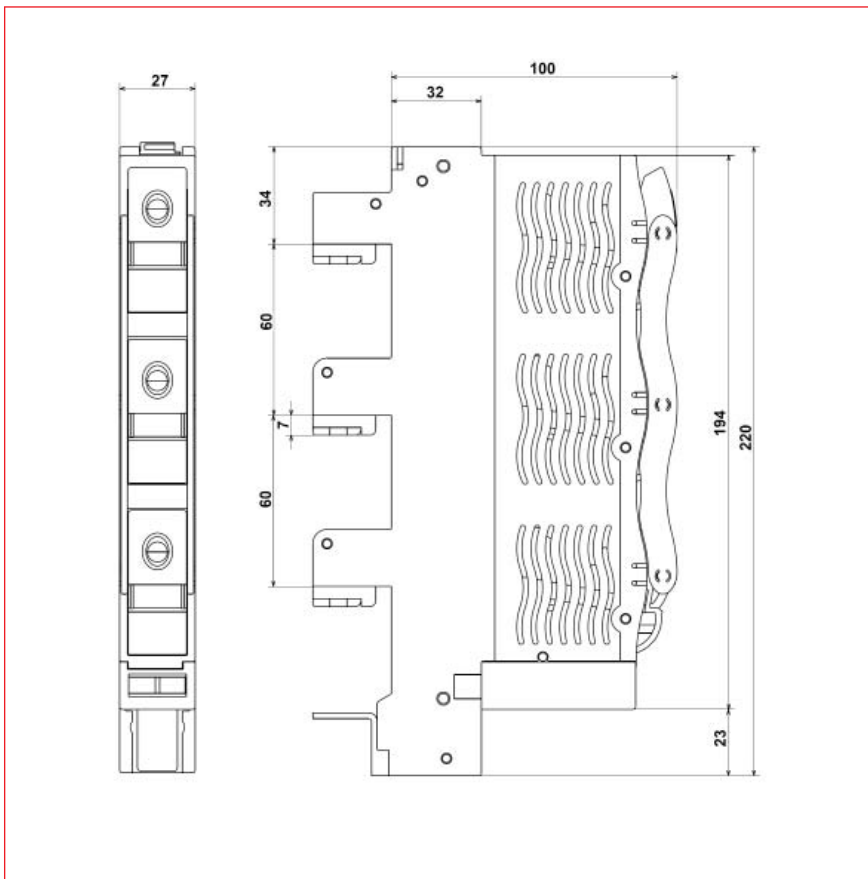
SI311580

Schrack-Info

- Touch protected D0-fuse base, busbar-mounting

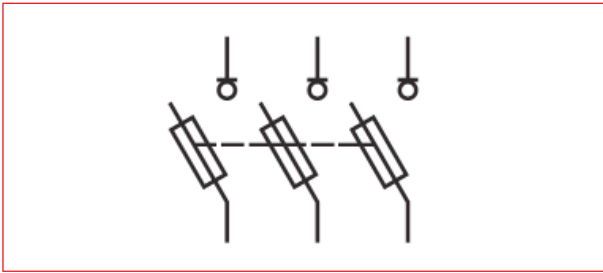
Type	D02-fuse-load-breaker for busbar-system
Approved with fuse links of characteristics	gG
Standards	IEC 60947-1, IEC 60947-3, VDE 0638/09.81
Rated current (IEC)	63A
Busbar-system	60mm
Busbar type	5 mm or 10mm
Busbar high	12, 15, 20, 25 or 30mm
Rated voltage (IEC)	400V-AC
Rated voltage (IEC)	110V-DC
Category of use AC (IEC 60947-3)	AC-23A (400 V)
Category of use DC (IEC 60947-3)	DC-21B (48 V) 1-pole, DC-21B (110V) 2-pole
Power dissipation:	10,5W (6,7W at 80%, typical load)
Rated isolation voltage U_i	500V-AC
Rated surge voltage U_{imp}	6kV
Max. permitted voltage (IEC)	800V-AC
Max. permitted voltage (IEC)	110V-DC
Cond. rated short-circuit current with fuses	50kA / 400V-AC
Terminals	Frame-terminal
Terminal capacity	Cu 1,5 - 16 mm ² flexible without ferrule
	Cu 1,5 - 16 mm ² flexible with ferrule
	Cu 1,5 - 6 mm ² round solid

SI311580 Dimensions



Busbar-fuse load-breaker for 60 mm system, series Wöhner

SI311580



DESCRIPTION	AVAILABLE	ORDER NO.
Bus-mounted fuse switch for fuse links D0		SI311580
D02-Reducer for D01 fuses 2-16A		SI319020
Side-mounted module for both sides, from 35A on		SI319010

D-fuse base for 60 mm system



SI314410

Schrack-Info

- CUSTO®60Classic - D-fuse base, busbar-mounting
- Bus-mounting on 60mm busbar-system

Article:	SI314410	SI319190	SI314420
Size:	E 27	E 33	E 33
Poles:	3-pole	3-pole	3-pole
For busbars:	12, 15, 20, 25, 30 x 5, 10 and double-T and triple-T section		
Type:	screw-in gauge ring	gauge ring	screw-in gauge ring
Wide:	42mm	57mm	57mm
Rated current (IEC):	25 A	63 A	63 A
Rated voltage (IEC) AC:	500 V	500 V	500 V
Rated voltage (IEC) DC:	500 V	500 V	500 V
Power dissipation:	1,2 W	10 W	10 W
Rated surge voltage U_{imp} :	6 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	690 V	690 V	690 V
Max. permitted voltage (IEC) DC:	500 V	600 V	600 V
Cond. rated short-circuit current with fuses:	50 kA / 500 V AC	50 kA / 500 V AC	50 kA / 500 V AC
Approved with fuse links of characteristics:	gG	gG	gG
	for fuse links and gauge rings as per DIN VDE 0636-3 IEC / EN 60269-3		
Type of fastening: Click mechanism protects against movement Contact pressure provided by screw cap Tightening torque of box terminals 3 Nm			
Terminal points box terminal:	1,5 - 25 mm ² flexible cables, directly or with wire-end ferrule, 1,5 - 10 mm ² solid round cables Md 3,0 Nm	1,5 - 35 mm ² flexible cables, directly or with wire-end ferrule, 1,5 - 10 mm ² solid round cables Md 4,0 Nm	1,5 - 35 mm ² flexible cables, directly or with wire-end ferrule, 1,5 - 10 mm ² solid round cables Md 4,0 Nm
	(flexible cables of maximum cross-section may not fit when using wire-end ferrule)		

DESCRIPTION	AVAILABLE	ORDER NO.
42mm wide, D-socket, E27, dowel screw / 25A / 500V		SI314410
57mm wide, D-socket, E33, gauge ring / 63A / 500V		SI319190
57mm wide, D-socket, E33, dowel screw / 63A / 500V		SI314420
D-screw cap, porcelain, E27 / 25A / 500V		SI010980
D-screw cap, porcelain, E33 / 63A / 500V		SI011000
D strip cover 1-fold, elevated, 42 mm wide		SI310700
D strip cover 1-fold, elevated, 57 mm wide		SI310710
Shock protection for strip covers clips onto side		SI796630

/// D0-busbar-fuse load-breaker for 60 mm system, series Wöhner



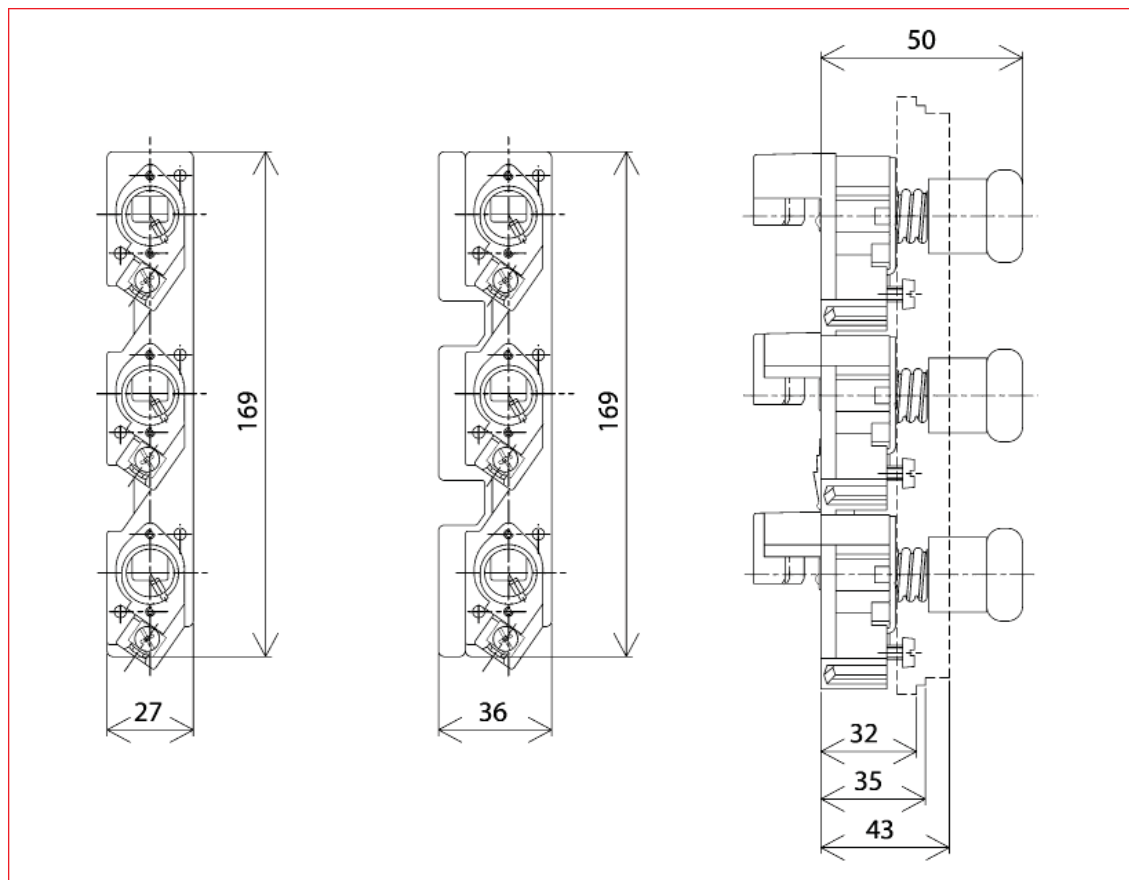
SI016470

/// Schrack-Info




- 3-pole Version
- Combination foot makes it suitable for 5 and 10 mm thick busbar
- For busbars 12-30x5/10, TT and TTT profile
- Latching mechanism when pushed onto the busbar.
- In one operation mechanically fixed and electrically contacted
- From a permanent load of 35A, the 36mm wide version is recommended

Type	D02-fuse-base for busbar-system
Approved with fuse links of characteristics	gG
Standards	IEC 60947-1, IEC 60947-3
Rated current (IEC)	63A
Busbar-system	60mm
Busbar type	5mm or 10mm
Busbar high	12, 15, 20, 25 or 30mm
Rated voltage (IEC)	400V-AC
Power dissipation:	5,9W (3,8W at 80%, typical load)
Rated isolation voltage U_i	500V-AC
Rated surge voltage U_{imp}	6kV
Cond. rated short-circuit current with fuses	50kA / 400V-AC
Terminals	Frame-terminal
Terminal capacity	Cu 1,5 - 25mm ² flexible without ferrule
	Cu 1,5 - 25mm ² flexible with ferrule
	Cu 1,5 - 6mm ² round solid

/// SI016470 / SI014980 Dimensions



DO-busbar-fuse load-breaker for 60 mm system, series Wöhner

DESCRIPTION	AVAILABLE	ORDER NO.
D0-fuse base E 18, 63 A, 3-pole, busbar-mounting, 27mm		SI016470
D0-fuse base E 18, 3-pole, busbar-mounting, 36mm with distance strip		SI014980
27 mm wide D0 strip cover E 18, 3-pole, 1 - fold		SI019800
36 mm wide D0 strip cover E 18, 3-pole, 1-1/3 - fold		SI014240
54 mm wide D0 strip cover E 18, 3-pole, 2 - fold		SI019810
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060

DO-busbar-fuse load-breaker for 60 mm system BERÜHRUNGSGESCHÜTZT, SERIWR



SI319360

Schrack-Info

- CUSTO®60Classic - D0-fuse base, busbar-mounting, 36mm
- Bus-mounting on 60mm busbar-system
- touch protected

Rated current (IEC):	63 A
Poles:	3-pole
System:	60mm busbar-system
For busbars:	12, 15, 20, 25, 30 x 5, 10 and double-T and triple-T section
Rated voltage (IEC) AC:	400 V
Rated voltage (IEC) DC:	250 V
Power dissipation:	5,9 W
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	500 V
Max. permitted voltage (IEC) DC:	250 V
Cond. rated short-circuit current with fuses:	50 kA / 400 V AC
Approved with fuse links of characteristics:	gG
For fuse links and gauge rings as per DIN VDE 0636-3 IEC / EN 60269-3	
Direct contact of the fuse links on the busbar	
Type of fastening: Click mechanism protects against movement Contact pressure provided by screw cap E18 Tightening torque of box terminals 4Nm	
Terminal points box terminal :	1,5 - 25 mm ² flexible cables, directly or with wire-end ferrule, (flexible cables of maximum cross-section may not fit when using wire-end ferrule) 1,5 - 10 mm ² solid round cables Md 3,0 Nm

DESCRIPTION	AVAILABLE	ORDER NO.
D0-fuse base E 18, 3-pole, busbar-mounting, 36mm, touch protected		SI319360

■ HRC fuse loadbreak-disconnectors size 00 (160A), for 60mm system, series Wöhner



SI333980

■ Schrack-Info

- QUADRON®60Compact-NH-fuse switch-disconnector size 00, 160 A
 - Bus-mounting on 60mm busbar-system
 - CrossLink® adapter technology
 - Fast and safe conversion of the connection for top or bottom; the parts under voltage remain shock protected
 - Simple and safe clicking into place and making contact
 - Safe connection through shock protection split into two
 - Busbar supports for flat busbars can be mounted above each other
-
- SI33500 with spring-controlled switch mechanism for frequent switching as per utilisation category "A"
 - Can be locked in neutral position with up to 3 U-locks
 - FLAG indicator shows the switch setting
 - Fuses can be changed safely and without tools thanks to double-breaking main contacts
 - Additional visible separating section by removing the cover incl. fuses
 - Can be used as mains disconnecter as per IEC / EN 60204-1 (main switch).
 - Mains switch only in combination with AC-23A/B

CrossLink® Technology

The new CrossLink® Technology enables wide-ranging use for various applications. Different system components in the same device category all have the same installed width and the same adapters. In this way, CrossLink®Technology improves the design versatility and safety of systems.

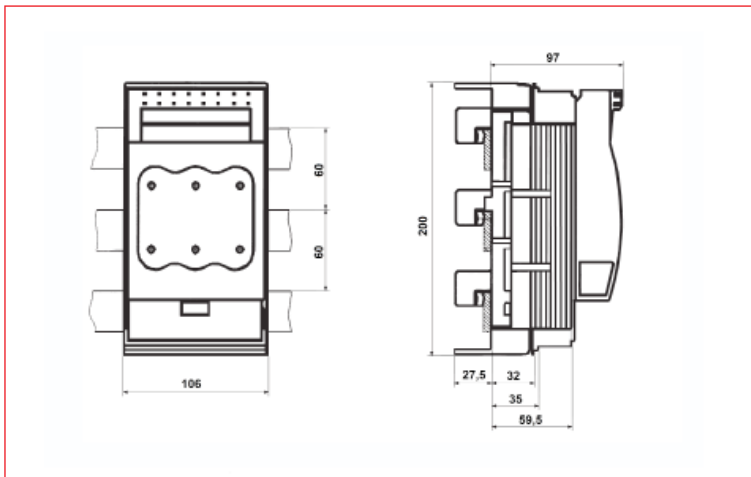
QUADRON®60Classic

The highlight of the CrossLink® Technology is the busmounting switch disconnector with NH fuses. Its spring-operated mechanism ensures safe, operator-independent switching. The QUADRON®60Classic with operating mechanism has a switch-on preventer with the lid opened and a shut-down device with up to 3 locks. The NH fuses can be easily and safely changed.

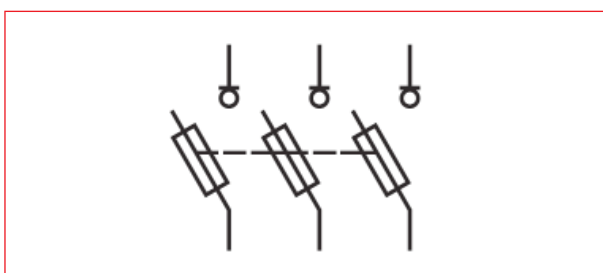
■ HRC fuse loadbreak-disconnectors size 00 (160A), for 60mm system, series Wöhner

Rated current (IEC):	160 A
Poles:	3-pole
Busbar connector:	externally tensioned contacting, convenient click mechanism, simple conversion of the combination bases from 5 to 10mm-thick busbars
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-21B (690V) AC-22B (500V) AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series DC-21B (220V) DC-21B (440V/100A) DC-22B (220V/63A) DC-20B (1000V) at level of soiling 2
Power dissipation:	17,7 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690V
Contacts:	spring-loaded copper contacts, silver plated
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2 / DIN VDE 0636-2 size 00 up to 12W power dissipation	
Degree of protection:	front, IP30 System component: degree of protection IP30 at front as per DIN EN 60529, degree of protection near terminal depends on installation adapter module: front side degree of protection IP20 as per DIN EN 60529 (finger-safe)
Terminal points box terminal:	1,5 -70mm ² flexible cables directly 1,5 -50mm ² flexible cables with wire-end ferrules 1,5 -10mm ² solid round 16 -70mm ² stranded round 2x10mm ² , 2x16mm ² and 2x25mm ² flexible with wire-end ferrules, identical cables placed side by side, crimping square 2x 10-35mm ² flexible identical cables placed side by side la. Cu. 9-13 mm wide Terminal space 13mm x 13mm
Terminal points screws:	screw M8, galvanized, chromized


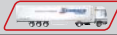

■ SI331980 / SI333980 Dimensions



■ SI331980 / SI333980 Wiring diagram



HRC fuse loadbreak-disconnectors size 00 (160A), for 60mm system, series Wöhner

DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, screw-connection M8, 160A		SI333980
Size 00, box-terminal 70mm ² , connection top/bottom, 160A		SI331980
Size 00, box-terminal 70mm ² , connection top/bottom, 160A, short version		SI330750
Size 00, box-terminal 70mm ² , connection top/bottom, 160A, with electronic fuse monitoring		SI332060
Size 00, clamp-type connection for copper-conductors, 1,5-70mm ² , 12x10		SI037270
Size 00, Cross Link Switch, box-terminal 70mm ² , 125A		SI335000
Size 00, Cross Link Switch for door coupling drive, box-terminal 70mm ² , 125A		SI335030
Door coupling rotary drive, LTS250/400/630,LTS-F160/250/400		SI333480
Cover for connecting space for SI331970, SI331980, SI331990, SI332000		SI798110
Lid interlock for fuse switch-disconnector size 00		SI038490

HRC fuse loadbreak-disconnectors size 1 (250A), for 60mm system, series Wöhner



SI336010-A

Schrack-Info

- QUADRON®60Classic-NH-fuse-switch-disconnector size 1, 250 A
- Bus-mounting on 60mm busbar-system
- CrossLink® adapter technology
- Fast and safe conversion of the connection for top or bottom
- The parts under voltage remain shock protected
- Simple and safe clicking into place and making contact
- Safe connection through shock protection split into two
- Busbar supports for flat busbars can be mounted above each other
- Self-closing test holes are available in the cover.

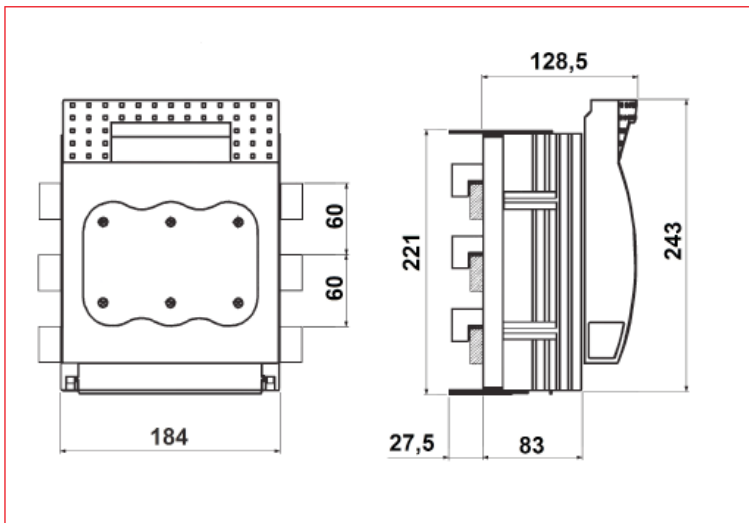
Rated current (IEC):	250 A
Poles:	3-pole
Contacts:	spring-loaded copper contacts, silver plated
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-22B (400 V) AC-23B (400 V / 160A) AC-21B (690 V) AC-20B (1000V) at pollution degree 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series DC-20B (440V) DC-20B (1000V) at level of soiling 2
Power dissipation SI336010-A (screw-terminal)	26W
Power dissipation SI333930 (boxterminal):	14,1W
Rated isolation voltage U _i (AC):	800 V
Rated surge voltage U _{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I _{pk} :	13.7 kA
Cond. rated short-circuit current with fuses:	80 kA / 690 V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I _{cw} :	8,1kA / 1s
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 1 up to 23W power dissipation	
Degree of protection:	IP30 at front, degree of protection near terminal depends on installation
Terminal points screw:	M10, galvanized, chromized
Terminal points box terminal:	Cu 70-185mm ² f Cu 35-150mm ² s(r) Cu 35-120mm ² f+AE Ia,Cu 15.5-24mm large terminal space 24.5 x 12mm min. terminal space height 3mm



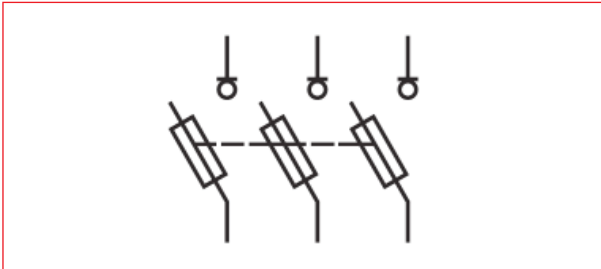
Order no. blue: on stock, usually ready for delivery on the day of order

■ HRC fuse loadbreak-disconnectors size 1 (250A), for 60mm system, series Wöhner

■ SI336010-A Dimensions



■ SI336010-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, screw-terminal M10, 250A		SI336010-A
Size 1, screw-terminal M10, 250A, with electromechanical fuse monitoring		SI331600
Size 1, wedge clamp terminal, single, for Cu and Al conductors 35-150mm ²		SI331660
Size 1, wedge clamp terminal, double, for Cu conductors 2 x 35-70mm ²		SI331450
Size 1, clamp connector for Cu conductors 70-150 mm ²		SI331630
Ark chamber NH disconnectors size 1		SI339180
NH fuse switch-disconnector size 1, 250 A, bus-mounting, connection box terminal, outgoing terminal bottom/top		SI336000

■ HRC fuse loadbreak-disconnectors size 2 (400A), for 60mm system, series Wöhner



SI336020

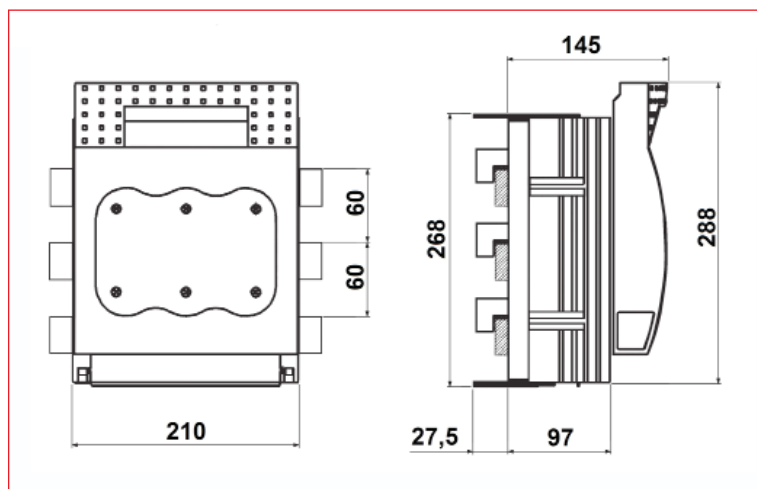
■ Schrack-Info

- QUADRON®60Classic-NH-fuse-switch-disconnector size 2, 400 A
- Bus-mounting on 60mm busbar-system
- Disconnectors are equipped with arc chambers.
- The shock protection is split into 2 for safe connection of the conductors.
- Self-closing inspection holes are available in the cover.

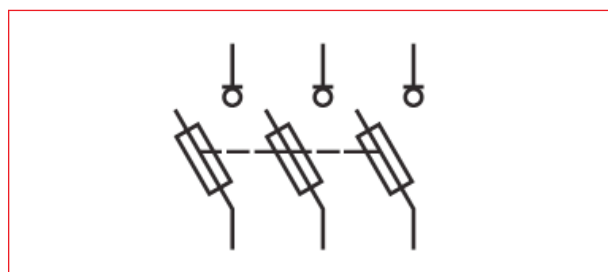
HRC fuse loadbreak-disconnectors size 2 (400A), for 60mm system, series Wöhner



Rated current (IEC):	400 A
Poles:	3-pole
For busbars:	12, 15, 20, 25, 30 x 10
Contacts:	spring-loaded copper contacts, silver plated
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400V)
	AC-22B (690V)
	AC-21B (690V)
	AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series
	DC-22B (440 V)
	DC-21B (440 V)
	DC-20B (1000V) at level of soiling 2
Power dissipation:	45 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I_{pk} :	27.2 kA
Cond. rated short-circuit current with fuses:	50 kA / 690V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I_{cw} :	13,2kA / 1s
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 2 up to 34W power dissipation	
Degree of protection	IP30 at front, degree of protection near terminal depends on installation
Terminal points	screw M10, galvanized, chromized
	Md 30 - 35 Nm

SI336020 Dimensions



SI336020 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, screw-terminal M10, 400A		SI336020
Size 2, screw-terminal M10, 400A, with electromechanical fuse monitoring		SI331610
Size 1, wedge clamp terminal, double, for Cu conductors 2 x 70-120mm ²		SI331460
Trim cover 2 sections for NH-LTS Gr. 2		SI333160

■ HRC fuse loadbreak-disconnectors size 3 (630A), for 60mm system, series Wöhner



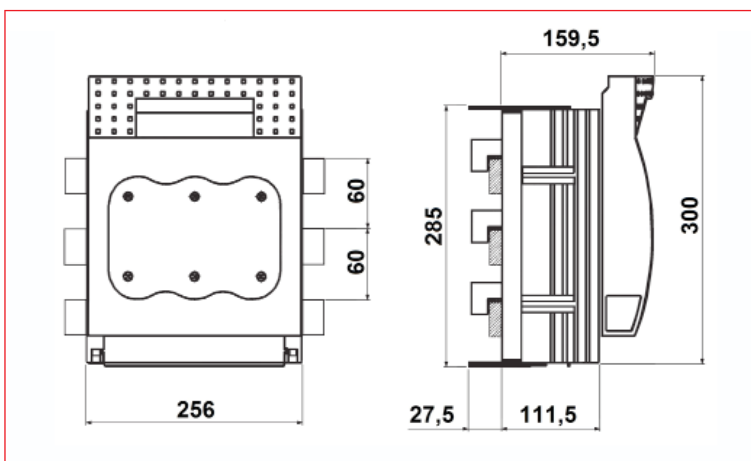
SI336030

■ Schrack-Info

- QUADRON®60Classic-NH-fuse-switch-disconnector size 3, 630 A
- Bus-mounting on 60mm busbar-system
- Disconnectors are equipped with arc chambers.
- The shock protection is split into 2 for safe connection of the conductors.
- Self-closing inspection holes are available in the cover.

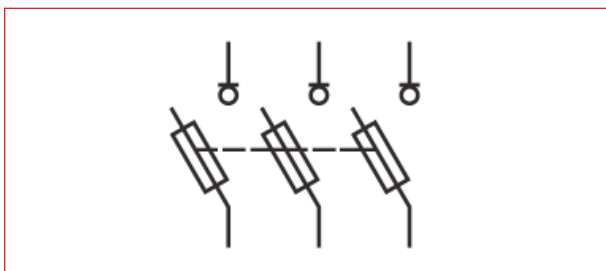
Rated current (IEC):	630 A
Poles:	3-pole
For busbars:	12, 15, 20, 25, 30 x 10
Contacts:	spring-loaded copper contacts, silver plated
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400V)
	AC-22B (690V)
	AC-21B (690V)
	AC-20B (1000V) at level of soiling 2
Category of use DC:	DC specifications: 2 current paths (L1,L3) in series
	DC-22B (440 V)
	DC-21B (440 V)
	DC-20B (1000V) at level of soiling 2
Power dissipation:	60 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Rated peak withstand current I_{pk} :	35.2 kA
Cond. rated short-circuit current with fuses:	50 kA / 690V
Approved with fuse links of characteristics:	gG
Rated short-time withstand current I_{cw} :	15, 1 kA / 1s
Fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 3 up to 48W power dissipation	
Degree of protection	IP30 at front, degree of protection near terminal depends on installation
Terminal points	screw M12, galvanized, chromized
	Md 35 - 40 Nm

■ SI336030 Dimensions



■ HRC fuse loadbreak-disconnectors size 3 (630A), for 60mm system, series Wöhner

■ SI336030 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 3, screw-terminal M12, 630A		SI336030
Size 3, screw-terminal M12, 630A, with electromechanical fuse monitoring		SI331620
Size 3, wedge clamp terminal, single, for Cu and Al conductors 150-300mm ²		SI331680
Size 3, Cover for cable lugs for fuse switch-disconnector		SI331440

■ HRC fuse loadbreak-disconnectors accessories, for 60mm system, series Wöhner



SI331570

■ Schrack-Info

- Accessories for QUADRON®60Classic-NH-fuse-switch-disconnector size 000 - 3

DESCRIPTION	AVAILABLE	ORDER NO.
Lid interlock for fuse switch-disconnector size 1-3		SI331570
Reduction pieces for busbars 5mm thick, size 1-2 for mounting on busbar 12, 15, 20, 25 and 30x5mm		SI331480



■ HRC fuse LOADBREAK strip size 00 (160A), for 60mm system, series Wöhner



SI332340

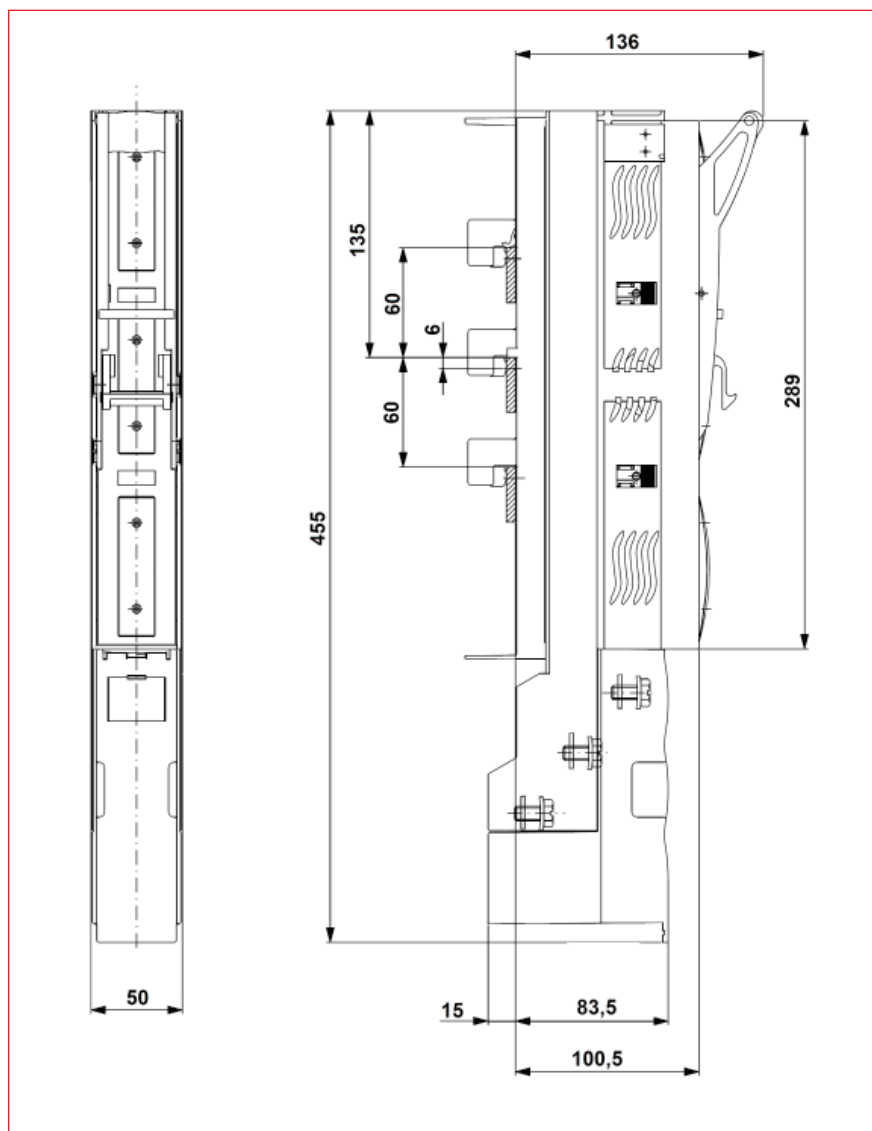
■ Schrack-Info

- SECUR®LeanStreamer in-line fuse switch-disconnector size 00, 160 A A
- Bus-mounting on 60mm busbar-system
- Screw M8 / cleat 70mm²

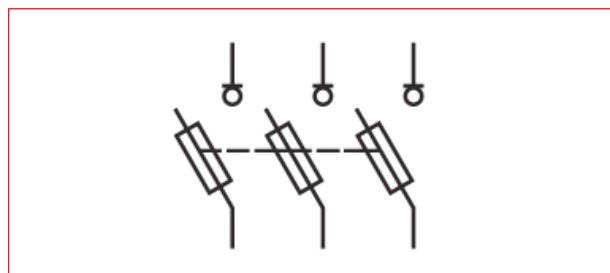
Rated current (IEC):	160 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-22B (690V)
	AC-23B (400V)
	AC-23B (500V/125A)
Power dissipation:	27 W
Rated surge voltage U _{imp} :	8 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Degree of protection	IP30 at front, degree of protection near terminal depends on installation
Type of fastening:	for busbars 12, 15, 20, 25, 30x5/10
	patented click mechanism
	spring-loaded copper contacts, silver plated
Terminal points screw:	screw M8
	Md 12-14Nm
Terminal points clamp:	Cu 1,5-70mm ² f
	Cu 1,5-70mm ² m
	Cu 1,5-70mm ² f+AE
	Md 3Nm


■ HRC fuse LOADBREAK strip size 00 (160A), for 60mm system, series Wöhner

■ SI332340 Dimensions

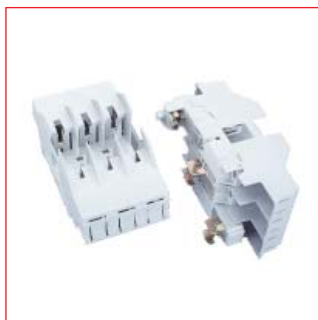


■ SI332340 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole in-line fuse switch, screw M8 or clamp-type terminal 70mm ² , 160A		SI332340
Size 00, 3-pole in-line fuse switch, screw M8 or clamp-type terminal 70mm ² , 160A, with electronic fuse monitoring		SI332850

■ HRC fuse base for 60mm system



SI036560

■ Schrack-Info

- NH(HRC)-bus-mounting fuse base
- Bus-mounting on 60mm busbar-system

Size:	00	2	3
Rated current (IEC):	160 A	400 A	630 A
Rated voltage (IEC) AC:	690 V	690 V	690 V
Rated voltage (IEC) DC:	440 V	440 V	440 V
Power dissipation:	27 W	37,4 W	45,7 W
Rated surge voltage U_{imp} :	8 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	800 V	800 V	800 V
Max. permitted voltage (IEC) DC:	800 V	800 V	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V	50 kA	50 kA
Approved with fuse links of characteristics:	gG for fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	gG for fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 2 up to 45W power dissipation	gG for fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 3 up to 60W power dissipation
Degree of protection	IP30 at front, degree of protection near terminal depends on installation	IP00	IP00
Type of fastening:	for busbars 12, 15, 20, 25, 30x5/10 patented click mechanism spring-loaded copper contacts, silver plated	for busbars 30x5/10 screw-mounting	for busbars 30x5/10 screw-mounting
Terminal points screw:	screw M8 Md 12-14Nm	M10 Md 18-22Nm	M12 Md 28-3,2Nm
Terminal points clamp:	Cu 1,5-70mm ² f Cu 1,5-70mm ² rm Cu 1,5-70mm ² f+AE Md 3Nm	- - - -	- - - -

DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 70mm ² , 160A, screw M8, max. 70mm ² , 3-pole, connection top-side, personal contact-protection, 60mm-busbar-system		SI036560
Size 00, 160 A, 1-pole, screw on both sides, screw M8 on both sides, with shock protection cover		SI037580
Size 00, 160 A, 3-pole, for busbar-system		SI031990
Size 00, 160A, 1-pole, cleat, without personal-contact-protection		SI033690
Size 00, 160 A, 1-pole, screw, without personal-contact-protection		SI033700
Size 00, 160A, 3-pole, cleat, with personal-contact-protection		SI036540
Size 2, 1-pole, screw-terminal, 400A, without shock protection cover		SI037950
Size 3, 1-pole, screw-terminal, 630A, without shock protection cover		SI037900
Shock protection in two parts for HRC fuse-base		SI037910

■ HRC fuse base class J for 60mm system

■ Schrack-Info

- Class J-bus-mounting fuse base
- Bus-mounting on 60mm busbar-system

DESCRIPTION	AVAILABLE	ORDER NO.
Class J fuse holder bus-mounting outgoing terminal		SI333110

Busbar-Adapters – EQUES EASYCONNECTOR for 60mm system



SI324300



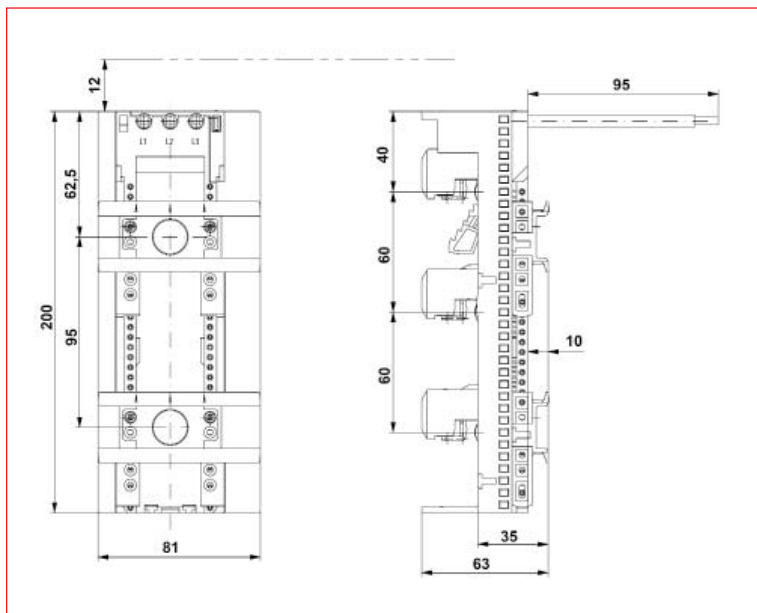
SI324550

Schrack-Info

- 3-pole, 25 - 80 A
- Adapter widths 45 mm to 81 mm, can be combined
- For busbars 12-30x5/10, TT and TTT profile
- Combination foot for 5 and 10 mm thick busbar
- Ultrasonically welded lineends
- Length 200 mm or 260 mm
- Adjustable mounting busbars

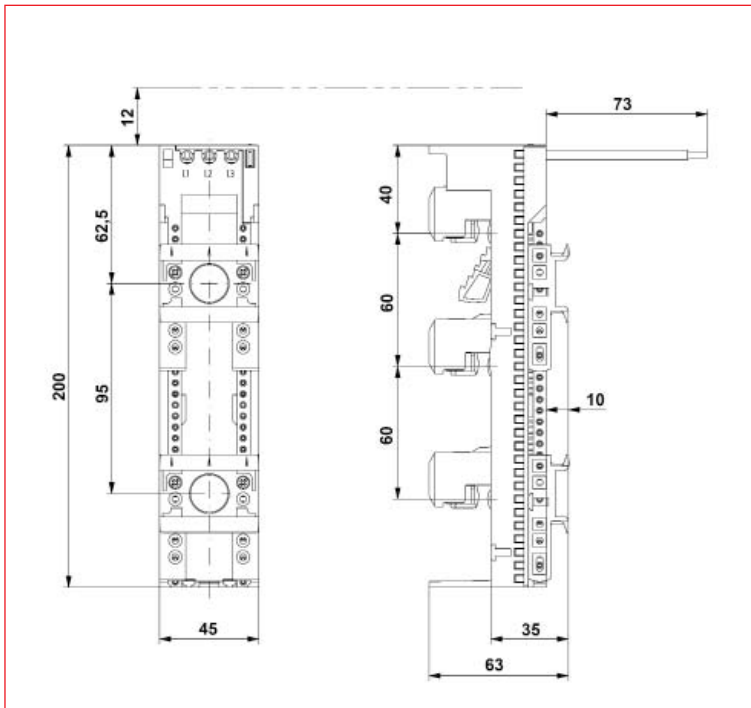
Type / Rated current (IEC):	25 A	32 A	45 A	63 A	80 A
Rated voltage (IEC) AC:	690 V	690 V	690 V	690 V	690 V
Rated isolation voltage U_i (AC):	800 V	800 V	800 V	800 V	800 V
Rated surge voltage U_{imp} :	6 kV	6 kV	6 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	800 V	800 V	800 V	800 V	800 V
Max. permitted voltage (IEC) DC:	800 V	800 V	800 V	800 V	800 V

SI324590 Dimensions

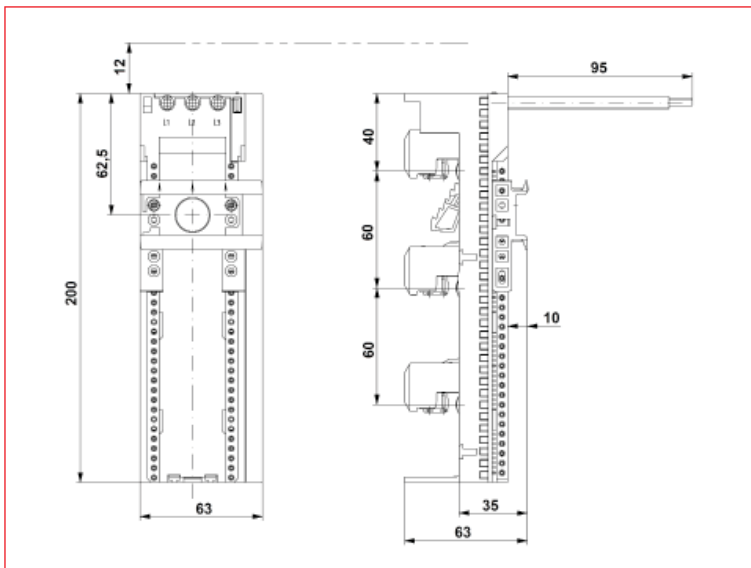


Busbar-Adapters – EQUES EASYCONNECTOR for 60mm system


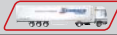







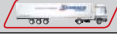
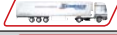





SI324310 Dimensions



SI324560 Dimensions



Busbar-Adapters – EQUES EASYCONNECTOR for 60mm system

DESCRIPTION	AVAILABLE	ORDER NO.
25A, 45mm width, 200mm height, 1 mounting rail, with connection-wires 4mm ²		SI324300
25A, 45mm width, 200mm height, 2 mounting rails, with connection-wires 4mm ²		SI324310
25A, 45mm width, 200mm height, 2 mounting rails, with 6mm ² terminals		SI324360
25A, 45mm width, 200mm height, split-version, 2 mounting rail, with connection-wires 4mm ²		SI324000
25A, 45mm width, 200mm height, 1 mounting rail, with connection-wires 4mm ²		SI324450
25A, 90mm width, 200mm height, 1 mounting rail, with connection-wires 4mm ²		SI324480
25A, 90mm width, 200mm height, 2 mounting rails, with connection-wires 4mm ²		SI324320
25A, 45mm width, 200mm height, 1 mounting rail, with connection-wires 4mm ² , direct starter version		SI324500
25A, 45mm width, 200mm height, 1 mounting rail, with connection-wires 4mm ² , for changeover starter		SI324520
32A, 45mm width, 200mm height, 1 mounting rail, with connection-wires 6mm ²		SI324270
32A, 45mm width, 200mm height, 2 mounting rails, with connection-wires 6mm ²		SI324340
32A, 54mm width, 200mm height, 1 mounting rail, with connection-wires 6mm ²		SI324410
32A, 54mm width, 200mm height, 2 mounting rails, with connection-wires 6mm ²		SI324420
32A, 54mm width, 200mm height, split-version, 2 mounting rail, with connection-wires 6mm ²		SI324040
32A, 63mm width, 200mm height, 1 mounting rail, with connection-wires 6mm ²		SI324430
32A, 72mm width, 200mm height, 1 mounting rail, with connection-wires 6mm ²		SI324440
32A, 81mm width, 200mm height, 2 mounting rails, with connection-wires 6mm ²		SI324460
45A, 54mm width, 200mm height, split-version, 2 mounting rail, with connection-wires 10mm ²		SI324120
63A, 54mm width, 200mm height, 1 mounting rail, with connection-wires 10mm ²		SI324540
63A, 54mm width, 200mm height, 2 mounting rails, with connection-wires 10mm ²		SI324550
63A, 63mm width, 200mm height, 1 mounting rail, with connection-wires 10mm ²		SI324560
63A, 72mm width, 200mm height, 1 mounting rail, with connection-wires 10mm ²		SI324570
63A, 81mm width, 200mm height, 2 mounting rails, with connection-wires 10mm ²		SI324590
80A, 54mm width, 200mm height, 1 mounting rail, with connection-wires 16mm ²		SI324660
80A, 54mm width, 200mm height, 2 mounting rails, with connection-wires 16mm ²		SI324670
80A, 54mm width, 260mm height, 2 mounting rails, with connection-wires 16mm ²		SI324720
80A, 72mm width, 200mm height, 1 mounting rail, with connection-wires 16mm ²		SI324690
Without connection, 45mm width, 200mm height, 2 mounting rail		SI324770
Without connection, 54mm width, 200mm height, 2 mounting rail		SI324780
Without connection, 45mm width, 200mm height, split-version, 2 mounting rail		SI324200
Mounting rail for 45mm-adapter		SI329470
Mounting rail for 54mm-adapter		SI329480
Mounting rail for 63mm-adapter		SI329490
Mounting rail for 72mm-adapter		SI329500
Mounting rail for 81mm-adapter		SI329510
Side-mounted module for both sides, 9mm width, 200mm height		SI329630



Order no. blue: on stock, usually ready for delivery on the day of order

Adapters 200 A – 630 A, for 60mm system



SI321560



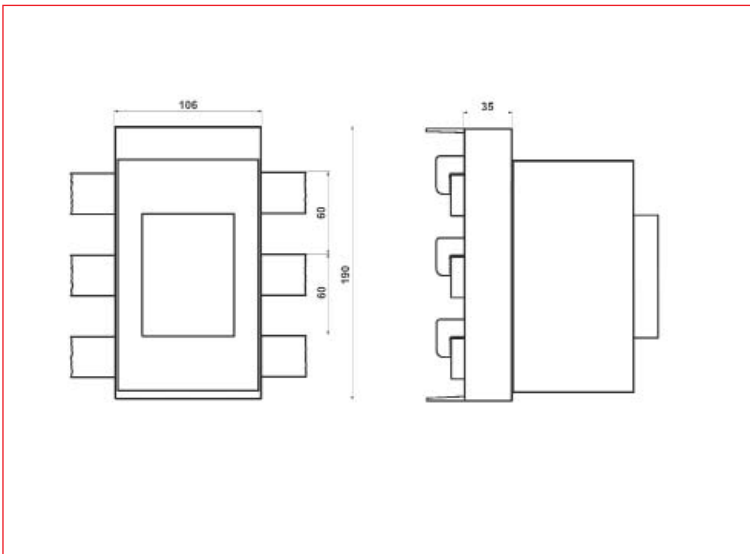
MC291400

Schrack-Info





- 3-pole for all commercially available switchgear systems
- Terminal at top or bottom
- With fastening screws M4 (M5, M6, see accessories) for adapter 200 A/250 A
- With fastening screws M6 (M8 see accessories) for adapter 630 A
- 200 A - Box terminal version for conductor 6-70 mm² rm/f/f+ferrule or flexible copper 10x16x0.8
- 250 A - Box terminal version for conductor 35-120 mm² rm/f/f+ferrule or flexible copper 10x20x0.8
- 630 A - Screw M12/240 mm² or terminal lug small busbar up to 14x25 mm
- For contacting on hole-free busbar

Article:	MC291400	SI321680	SI322160
Rated current (IEC):	250 A	250 A	250 A
Rated voltage (IEC) AC:	690 V	690 V	690 V
Rated isolation voltage U _i (AC):	800 V	800 V	800 V
Rated surge voltage U _{imp} :	6 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	800 V	800 V	800 V
Max. permitted voltage (IEC) DC:	800 V	800 V	800 V
Rated peak withstand current I _{pk} :	SCCR: 65kA @MC2 480V	55.8 kA	-
Poles:	3-pole	3-pole	3-pole

MC291400 Dimensions



Adapters 200 A – 630 A, for 60mm system

DESCRIPTION	AVAILABLE	ORDER NO.
250A, 3-pole, for SCHRACK-MCCB MC2		MC291400
200A, universal adapter, outgoing top, box terminals 6 - 70mm ²		SI322140
200A, universal adapter, outgoing bottom, box terminals 6 - 70mm ²		SI322150
250A, 3-pole, for NSX100-NSX250, GV7		SI321560
250A, universal adapter, outgoing top, box terminals 35 - 120mm ²		SI321680
250A, universal adapter, outgoing bottom, box terminals 35 - 120mm ²		SI322160
400A, 3-pole, for 3VL4		SI329750
630A, adapter, with M10 screw-connection top and bottom		SI320040
570A, 3-pole, for NSX 400, NSX 630		SI321570
250A, 4-pole, for NS 100 - 250		SI325820
For MCCB 160A, ABB T-max T1 / XT1, T-max T2 / XT2, GE FD160, Schneider El. NS80, NSX80		SI325750
For MCCB 250A, Siemens 3VL2, 3VL3 UL		SI329770
For MCCB 580A, ABB T-max T5 and Allen-Bradley 140G-K		SI325930
For MCCB 290A, ABB T-max T4, Siemens 3RV1		SI326010





Accessories for 60mm system



SI333150

Schrack-Info

- Covers and accessories for 60mm busbar-system

DESCRIPTION	AVAILABLE	ORDER NO.
Trim cover, 2 parts for NH-LTS size 00		SI333150
Trim strip for HRC-LTS size 00		SI333170
Size 1, Cover for cable lugs for fuse switch-disconnector		SI331420
Size 2, Cover for cable lugs for fuse switch-disconnector		SI331430



Order no. blue: on stock, usually ready for delivery on the day of order

Busbars for 60mm system COMPACT

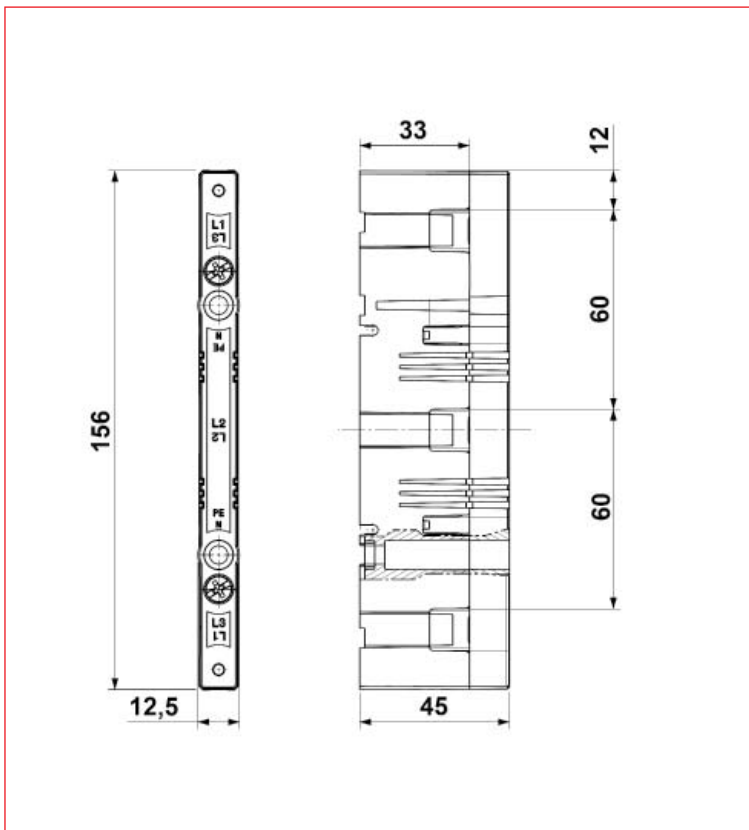





SI012720

Schrack-Info

- The advantages of the 60mm Compact-system is the compact size of control and distribution
- Number of components is kept to a minimum
- Many 60Classic components can be used here as well

SI012720 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Busbar support, 3pole with end cover		SI012720
15 x 5mm, 2,4m length, tinned, 250A		SI016190
Connecting terminal plate, 3-pole, 35-150mm ²		SI011650
Connecting set 120 mm ² , 3-pole, with covers		SI013700
Connecting module N 120 mm ² , with cover		SI013640
Connecting module PE 120 mm ² , with cover		SI013670
Intermediate busbar brace for fixing of the busbars		SI013760
Cover profile		SI013140

Universal conductor terminals



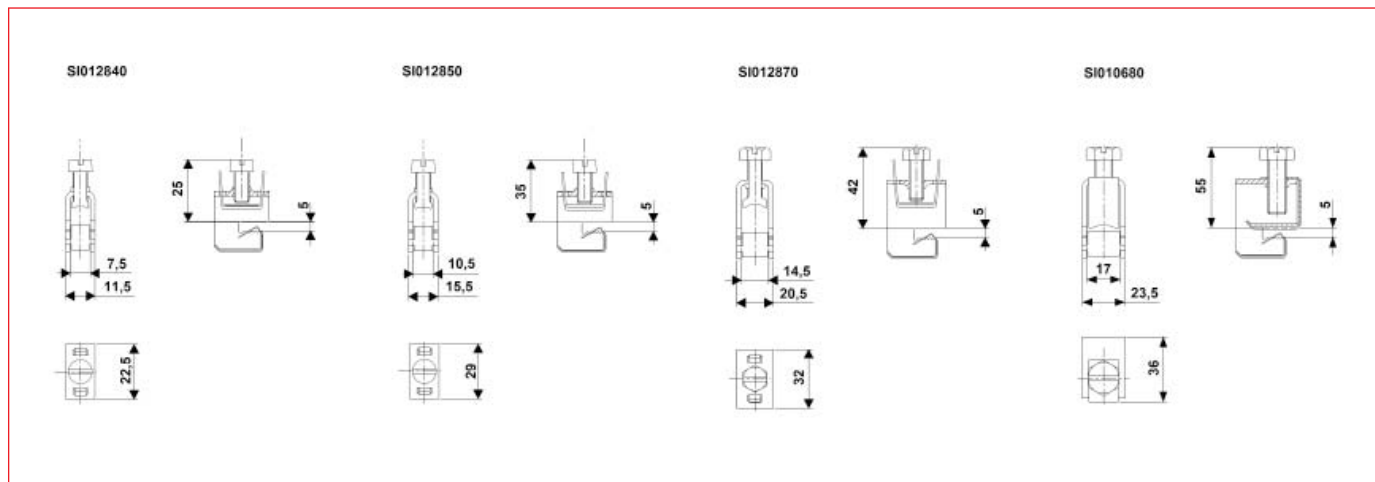
SI012840

Schrack-Info

- For drill-free connection of equal busbars
- Terminal with integrated holding spring
- Captive clamping screw
- Opened terminal space

Electrical data	SI012840	SI012850	SI012870	SI010680
For busbars:	5mm flat busbars	5mm flat busbars	5mm flat busbars	5mm flat busbars
Cross section:	1,5 - 16 mm ²	4 - 35 mm ²	16 - 70 mm ²	16 - 120 mm ²
Rated current (IEC):	65 A	115 A	175 A	250 A
Rated voltage (IEC) AC:	690 V	690 V	690 V	690 V
Rated current (UL):	55 A	95 A	175 A	255 A
Rated voltage (UL) AC:	600 V	600 V	600 V	600 V
Current carrying capacity (IEC) max.:	180 A	270 A	400 A	440 A
Max. permitted voltage (IEC) AC:	1000 V	1000 V	1000 V	1000 V
Max. permitted voltage (IEC) DC:	1500 V	1500 V	1500 V	1500 V
Rated peak withstand current I _{pk} :	30.6 kA	34.9 kA	46.7 kA	27,7 kA
Connecting screws:	screw +/- (PZ3), galvanized, chromized			Hexagon screw M10
Terminal body:	steel, galvanized and chromized			
Retaining spring:	corrosion-resistant spring steel			
Terminal points:	1,5 - 16 mm ² / AWG 14 - AWG 6	4 - 35 mm ² / AWG 10 - AWG 2	16 - 70 mm ² / AWG 4 - AWG 2/0	16 - 120 mm ² / AWG 4 - MCM 250
	flexible cables, directly or with wire-end ferrule (flexible cables of maximum cross-section may not fit when using wire-end ferrule) solid and stranded round cables			
	la. Cu 8 x 6 x 0,5	la. Cu 3 x 9 x 0,8 or 6 x 9 x 0,8	la. Cu 2x 3 x 9 x 0,8 or 6 x 9 x 0,8 or 6 x 13 x 0,5	la. Cu 4 x 15,5 x 0,8 or 6 x 15,5 x 0,8 or 10 x 15,5 x 0,8

SI012840/SI012850/SI012870/SI010680 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
5mm / 1,5 - 16mm ²		SI012840
5mm / 4 - 35mm ²		SI012850
5mm / 16 - 70mm ²		SI012870
5mm / 16 - 120mm ²		SI010680

▀ D0-busbar-fuse load-breaker for 60mm system COMPACT



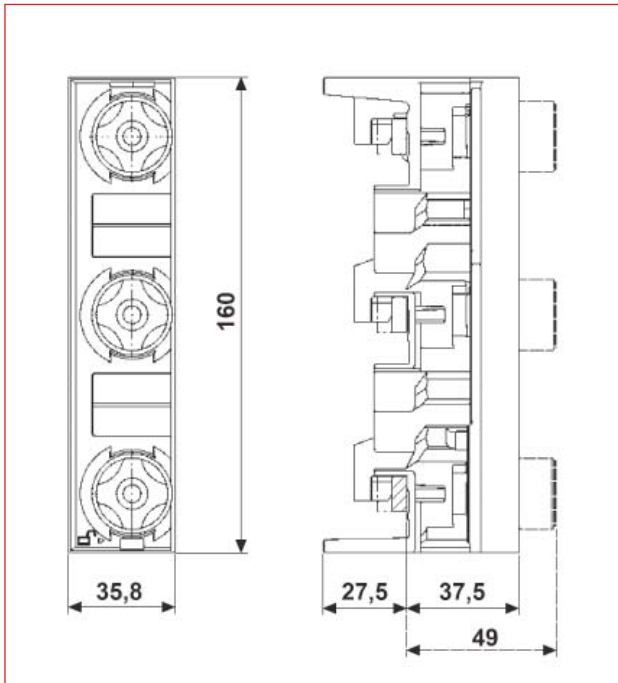
SI315540


▀ Schrack-Info

- D02 bus-mounting fuse base, touch-proof for busbar-system 60mm-Compact
- 3-pole, with combination foot for 5 and 10 mm thick busbars of 60 mm compact system
- Latching mechanism when pushed onto the busbar.
- Opened box terminal 1.5 - 25 mm²
- D02 bus-mounting fuse bases are also suitable for D01 bus-mounting fuse bases thanks to special holding springs and special ferrule gauge pieces.
- From a permanent load of 35A, the 36mm-wide version is recommended due to the heat produced.

Rated current (IEC):	63 A
Poles:	3-pole
For busbars:	12x5 and 12x10
Rated voltage (IEC) AC:	400 V
Rated voltage (IEC) DC:	250 V
Power dissipation:	5,9 W
Rated surge voltage U _{imp} :	6 kV
Max. permitted voltage (IEC) AC:	500 V
Max. permitted voltage (IEC) DC:	250 V
Cond. rated short-circuit current with fuses:	50 kA / 400 V AC
Approved with fuse links of characteristics:	gG
Direct contact of the fuse links on the busbar	
for fuse links and gauge rings as per DIN VDE 0636-3 IEC / EN 60269-3	
Type of fastening: Click mechanism protects against movement	
Contact pressure provided by screw cap E18	
Terminal points box terminal :	1,5 - 25 mm ² flexible cables, directly or with wire-end ferrule, (flexible cables of maximum cross-section may not fit when using wire-end ferrule)
Box terminal :	1,5 - 10 mm ² solid round cables Md 3,0 Nm

▀ SI315540 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
D0-fuse base, busbar-mounting bar 5 mm, 60mm-System compact		SI315540
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060

NH-busbar-fuse load-breaker 125 A, for 60mm system COMPACT



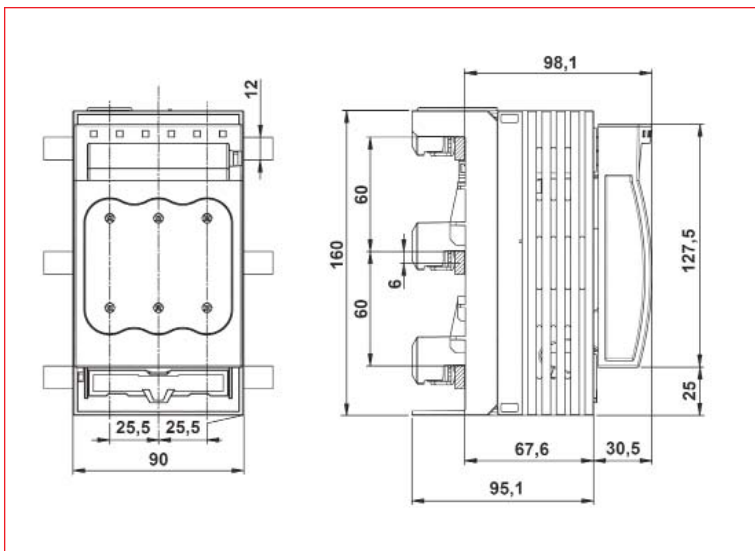
SI334160

Schrack-Info

- QUADRON®60Compact-NH-fuse switch-disconnector size 000, 125 A
- Bus-mounting on 60mm busbar-Compact-system
- CrossLink® adapter technology
- Fast and safe conversion of the connection for top or bottom, the parts under voltage remain shock protected
- Simple and safe clicking into place and making contact
- Safe connection through shock protection split into two

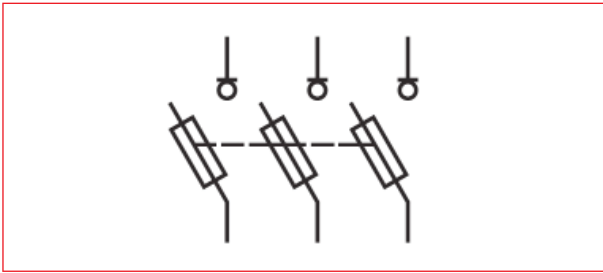
Rated current (IEC):	125 A
Poles:	3-pole
Rated voltage (IEC) AC:	690 V
Rated voltage (IEC) DC:	440 V
Category of use AC:	AC-23B (400 V)
	AC-22B (500 V)
	AC-21B (690 V)
Category of use DC:	DC specifications: 2 current paths (L1, L3) in series
	DC-22B (440V/63A)
	DC-22B (220V/100A)
	DC-21B (440V/80A)
	DC-21B (220V/125A)
Power dissipation:	13,8 W
Rated isolation voltage U_i (AC):	800 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V (80A)
	50 kA / 500 V (100A)
	50 kA / 400 V (125A)
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2 / DIN VDE 0636-2 size 000 (max. 21 mm wide) up to 9W power dissipation	
Degree of protection:	IP30 at front as per DIN EN 60529
	degree of protection near terminal depends on installation, adapter module: front side degree of protection IP20 as per DIN EN 60529 (finger-safe)
Terminal points Box terminal:	2,5 -50mm ² flexible cables,
	1,5 -50mm ² flexible cables with wire-end ferrules
	1,5 - 10mm ² solid round
	16 - 50mm ² stranded round
	(flexible cables of maximum cross-section may not fit when using wire-end ferrule)
	1a. Cu. 6-9 mm wide
	Terminal space 10mm x 10mm

SI334160 Dimensions



■ NH-busbar-fuse load-breaker 125 A, for 60mm system COMPACT

■ SI334160



DESCRIPTION	AVAILABLE	ORDER NO.
3-pole, connection top or bottom by rotating, 125A, for busbars 12x5/10		SI334160
Universal busbar support, 3-pole, 30-40-50-60x10mm		SI014790
For drilled busbars from 30x10 up to 120x10mm for 100 and 185mm-busbar-system		SI010040
End cover for SI014790		SI012540

■ Adapter for 60mm Compact-System



SI326300

■ Schrack-Info

- Safe, saves space and clearly arranged in its design
- Developed especially for its use with MCBs
- Wide variety of combinations possible with just a few modular components

DESCRIPTION	AVAILABLE	ORDER NO.
Busbar adapter 63 A, 1-pole for 60mm compact-system		SI326300
Side-mounted module for modular busbar adapters		SI326330
Set of Connectors for combining of modular adapters		SI313900
Module N for modular adapters 60mm compact-system		SI326320
Module PE for modular adapters 60mm compact-system		SI326340

■ Universal busbar-support, for 100 mm and 185 mm busbar-system



SI010040

DESCRIPTION	AVAILABLE	ORDER NO.
For drilled busbars from 30x10 up to 120x10mm for 100 and 185mm-busbar-system		SI010040

Busbar-supports for 185mm busbar-system



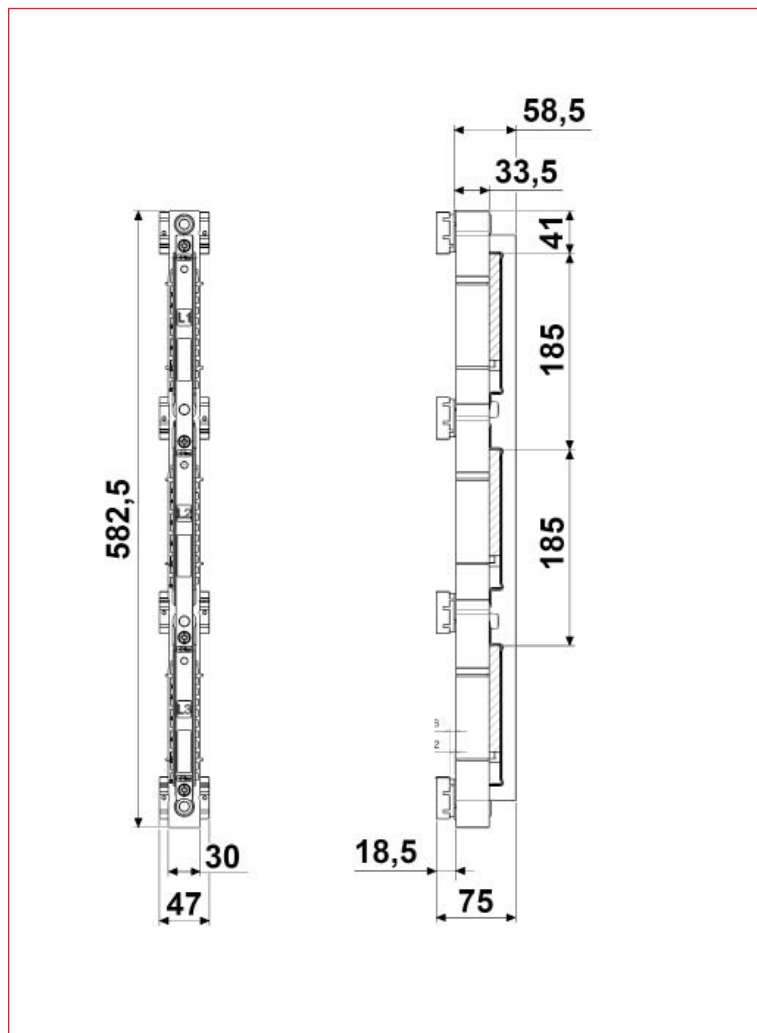
SI014300

Schrack-Info

- High short-circuit and temperature resistance
- Silicone-free, chlorine-free
- Temperature resistance 120 °C/VO
- Leakage current resistance CTI 600
- For hole-free mounting (expect SI010040)

Type:	SI014300
Busbarsystem:	185 mm
Poles:	3-pole
For busbars:	30, 40, 60, 80, 100, 120 x 10 mm
Rated voltage (IEC) AC:	690 V
Rated surge voltage U_{imp} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Short-circuit withstand capacity:	Surge current strength Ipk max. 105kA (see data sheet) Icw max. 50 kA @ 1s
Screws:	screw +/- (PZ3), galvanized, chromized

SI014300



DESCRIPTION	AVAILABLE	ORDER NO.
Drilling-free mounting, 3-pole, for 30-120 x 10, TT and TTT		SI014300
End cover for SI014300		SI014310
Cover for SI014310		SI014320
For drilled busbars, 3-pole, for 30 - 120 x 10mm ²		SI017420
Drilling-free mounting, 3-pole, for 30-120 x 10, TT and TTT		SI012300

Conductor systems for flat copper for 185mm busbar system



SI010940

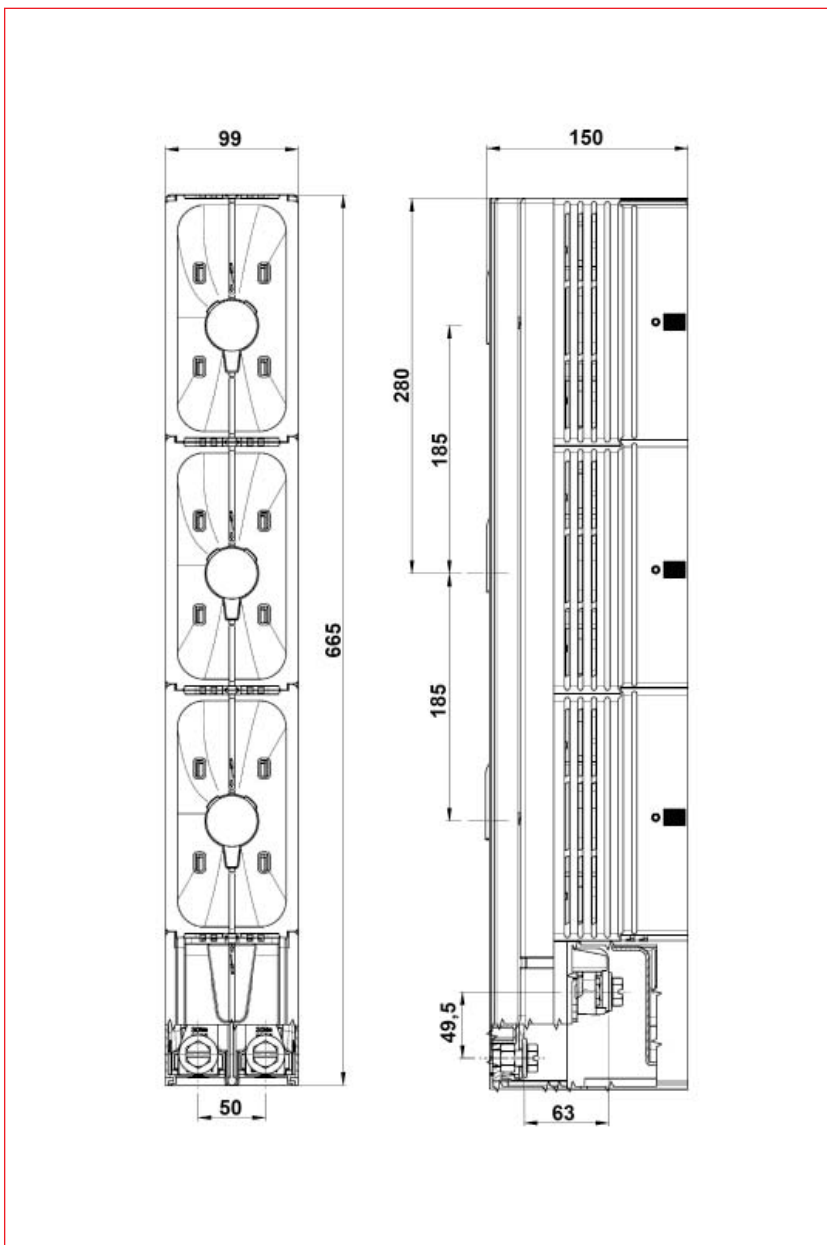
Schrack-Info

- CRITO®-terminal for round conductor 95 - 300 mm²
- for busbar 30 x 10 double and triple T profile

Type	SI010940
Rated current (IEC):	630 A
For busbars:	12, 15, 20, 25, 30 x 10 and double T profile
Rated voltage (IEC) AC:	690 V
Current carrying capacity (IEC) max.:	630 A
Max. permitted voltage (IEC) AC:	1000 V
Max. permitted voltage (IEC) DC:	1500 V
Terminal body:	brass, nickel-plated, screw: hexagon socket screw, galvanised, chromited
Connecting screws:	Set screw M16, Allan key size 8
Tightening torque	40 Nm
Conductors of the following quality:	Solid and stranded round and sectored conductors 95 - 300mm ²
Type:	SI014380
Poles:	3-pole
Für busbar-types:	30, 40, 60, 80, 100, 120 x 10
Rated voltage (IEC) AC:	690 V
Current carrying capacity (IEC) max.:	800A
Rated surge voltage U_{imp} :	6 kV
Rated peak withstand current I_{pk} :	54,1 kA
Rated short-time withstand current I_{cw} :	25,9kA / 0,5s
Connection:	1 x screw connection M12, for 2 cable lugs 240 mm ² or optional boxterminal

Conductor systems for flat copper for 185mm busbar system

SI014380 Dimensioned drawing



DESCRIPTION	AVAILABLE	ORDER NO.
Terminal for round conductor for busbar 30 x 10, T and TT, 95-300 mm ² , 630A, terminal space 41x25		SI010940
Connection rail 800 A for 185 mm - busbar-system		SI014380



Universal conductor terminals for copper and aluminium



SI014290

Schrack-Info

- FIBUS®-connection terminal 16 - 240 mm²
- For Cu and Al
- For busbars of 5 to 10 mm thickness and minimum 30 mm width

Current carrying capacity (IEC) max.:	630 A
For busbars:	5 to 10 mm thickness and minimum 30 mm width for mounting to a drilled busbar (terminal comes with screw M10)
Current capacity of the clamping point:	with Cu cable max. 630A with Al cable max. 350A
Terminal points:	screw M10 Md 27 - 33 Nm
Cu cable:	1x 16 - 240 mm ² flexible 1x 16 - 240 mm ² stranded round 1x 50 - 240 mm ² stranded sector 1x 70 - 240 mm ² solid sector 2x 70 - 120 mm ² stranded round
Al-cable:	1x 16 mm ² solid round 1x 35 - 240 mm ² stranded sector 1x 70 - 240 mm ² stranded sector 1x 70 - 240 mm ² solid sector

DESCRIPTION	AVAILABLE	ORDER NO.
Terminal for aluminum and copper cables 16-240 mm ² , FIBUS®		SI014290

Busbar-covers

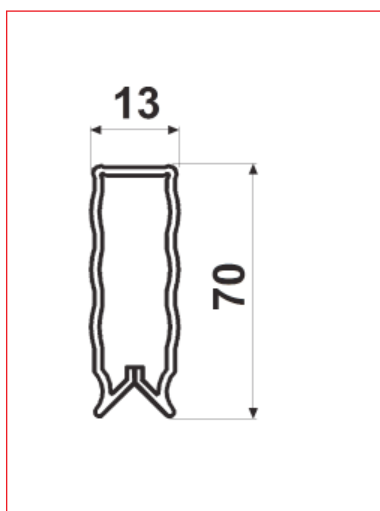



SI012510

Schrack-Info

- Busbar-cover, 1 m, for single busbars

SI012510



DESCRIPTION	AVAILABLE	ORDER NO.
Busbar cover 40 - 60 x 10, 1 m long, all-insulated		SI012510

■ HRC-inline-fuse load-breaker size 00 (160A), for 100mm system, series Wöhner



SI332350

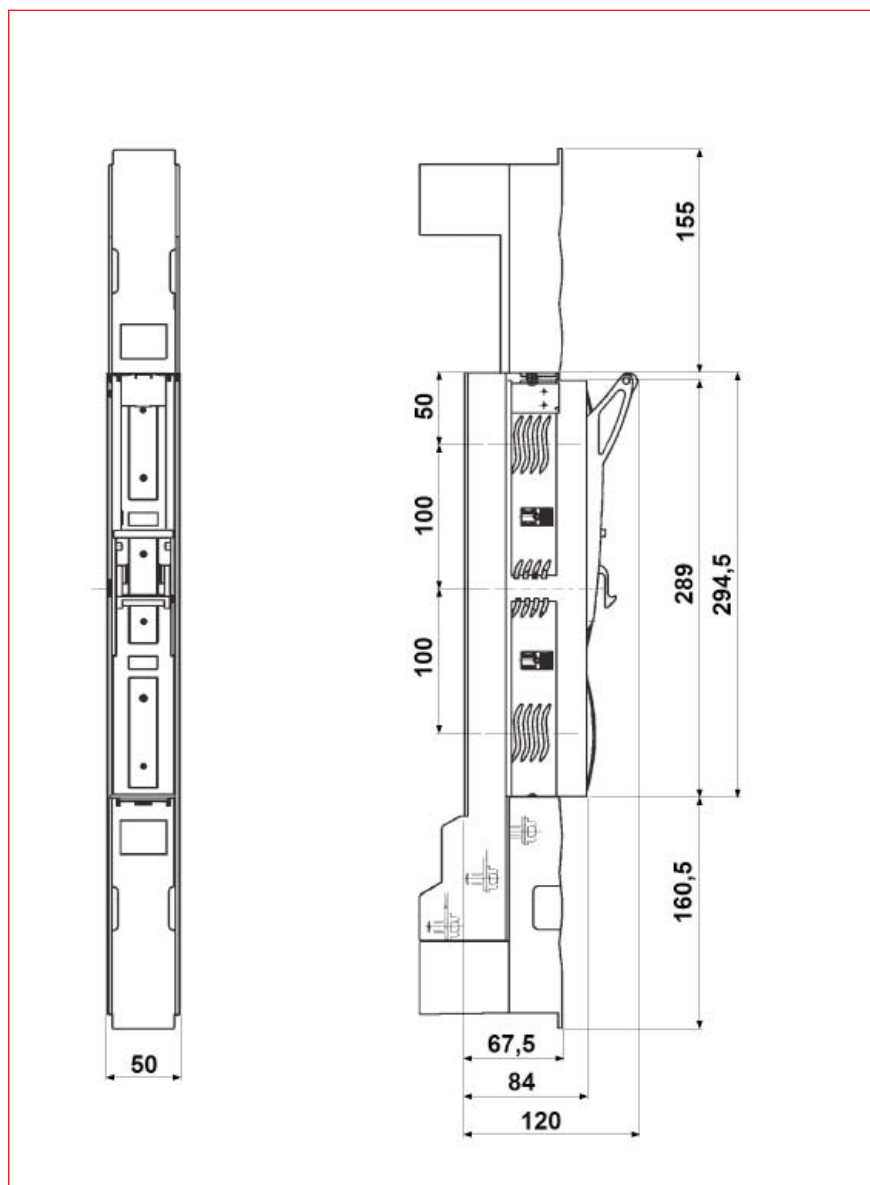
■ Schrack-Info

- SECUR®LeanStreamer in-line fuse switch-disconnector size 00, 160 A A
- Bus-mounting on 100mm busbar-system
- Screw M8 / cleat 70mm²
- Self-closing inspection holes are available in the cover

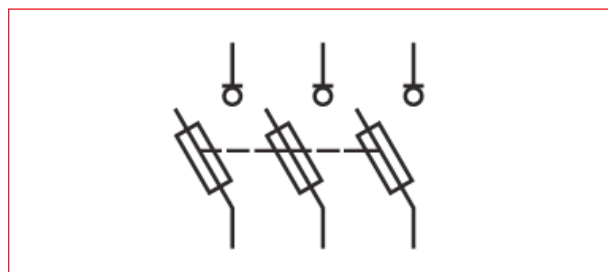
Rated current (IEC):	160 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-22B (690V)
	AC-23B (400V)
	AC-23B (500V/125A)
Category of use DC:	DC-details: 2 flow path (L1, L3) in row
	DC-20B (440V)
Power dissipation:	20 W
Rated surge voltage U _{imp} :	8 kV
Max. permitted voltage (IEC) AC:	800 V
Max. permitted voltage (IEC) DC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Degree of protection:	IP30 at front, degree of protection near terminal depends on installation
Type of fastening:	can be screwed onto drilled busbar,
	M8, 12 - 14Nm torque, or using additional terminal clamp
Terminal points screw:	M8
	Md 12 - 14 Nm
Terminal points clamp:	Cu 1.5-70mm ² rm
	Cu 1.5-70mm ² f
	Cu 1.5-70mm ² f+Ae
	la.Cu 12 x (1-10)mm

■ HRC-inline-fuse load-breaker size 00 (160A), for 100mm system, series Wöhner

■ SI332350 Dimensions



■ SI332350 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
100mm system, size 00, 3-pole in-line fuse switch, screw M8 or clamp-type terminal 70mm ² , 160A		SI332350
185mm, single adapter for SI332350 and SI332860		SI332360
Prism terminal f. fuse switch-discon. f. 16-70 mm ² , Cu and Al		SI332240

■ HRC-inline-fuse load-breaker size 00 (160A), for 185mm system, series Wöhner



SI337000

■ Schrack-Info

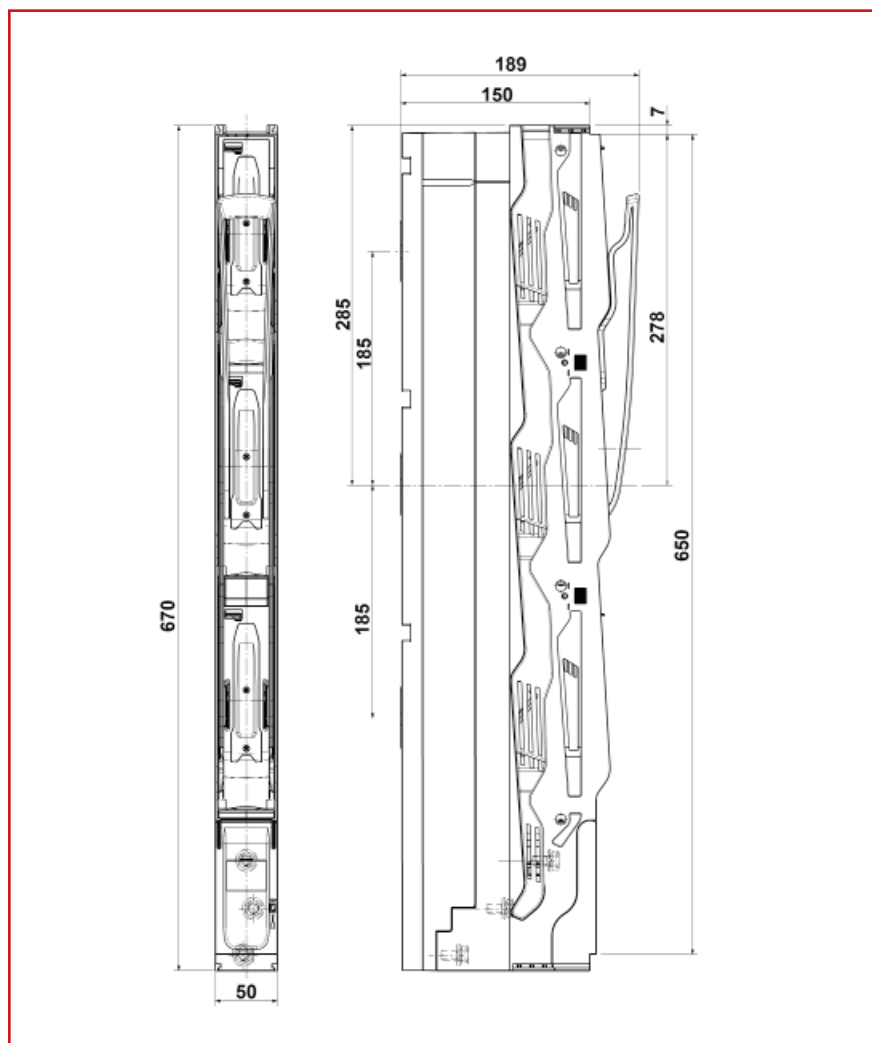
- QUADRON®185Power in-line fuse switch-disconnector size 00, 160 A
- Highversion in the same high like size 1-3
- Screw M8

Easily fits any combination of the QUADRON®185Power NH in-line fuse switch disconnectors of Sizes 00 to 3 to the 185Power system. Based on application specific requirements, the NH in-line fuse switch disconnectors can be conveniently, quickly and securely mounted with mechanical clamps without drilling or bolted directly to a drilled busbar

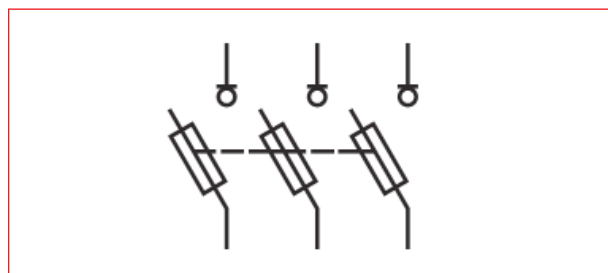
Rated current (IEC):	160 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 160A/400V
Power dissipation:	28 W
Rated surge voltage U_{inc} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	100 kA / 500 V
	100 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 00 up to 12W power dissipation	
Degree of protection:	IP20 at front
Type of fastening:	can be screwed onto drilled busbar,
	M8, 12 - 14Nm torque, or using additional terminal clamp
Terminal points screw:	M8, galvanized, chromized
	Md 12 - 14 Nm

■ HRC-inline-fuse load-breaker size 00 (160A), for 185mm system, series Wöhner

■ SI337000 Dimensions



■ SI337000 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole in-line switching direct to 185mm, M8, 160A		SI337000
Size 00, 3-pole in-line switching direct to 185mm, M8, 250A, with electronic fuse monitoring		SI337200
Size 00, 3-pole in-line switching direct to 185mm, box-terminal, 160A		SI337700
Size 00, 3-pole in-line switching, flat version for 185mm, M8, 160A		SI337040
Drilling free clamp for In-line-fuse-switch 00 direct on 185mm		SI337390
Size 00, 3-pole in-line switching, flat version for 185mm, box-terminal, 160A		SI337730
Double adapter 185mm for Wöhner in line fuse size 00 - flat version		SI337280
Connection cover for size 00, flat version, connection top		SI337270
Connection cover for size 00, high version, connection bottom		SI337320
Connection cover for size 00, flat version, connection bottom		SI337250
Connection cover for size 00, high version, connection top		SI337260

■ HRC-inline-fuse load-breaker size 1 (250A), for 185mm system, series Wöhner



SI337350



SI337010

■ Schrack-Info

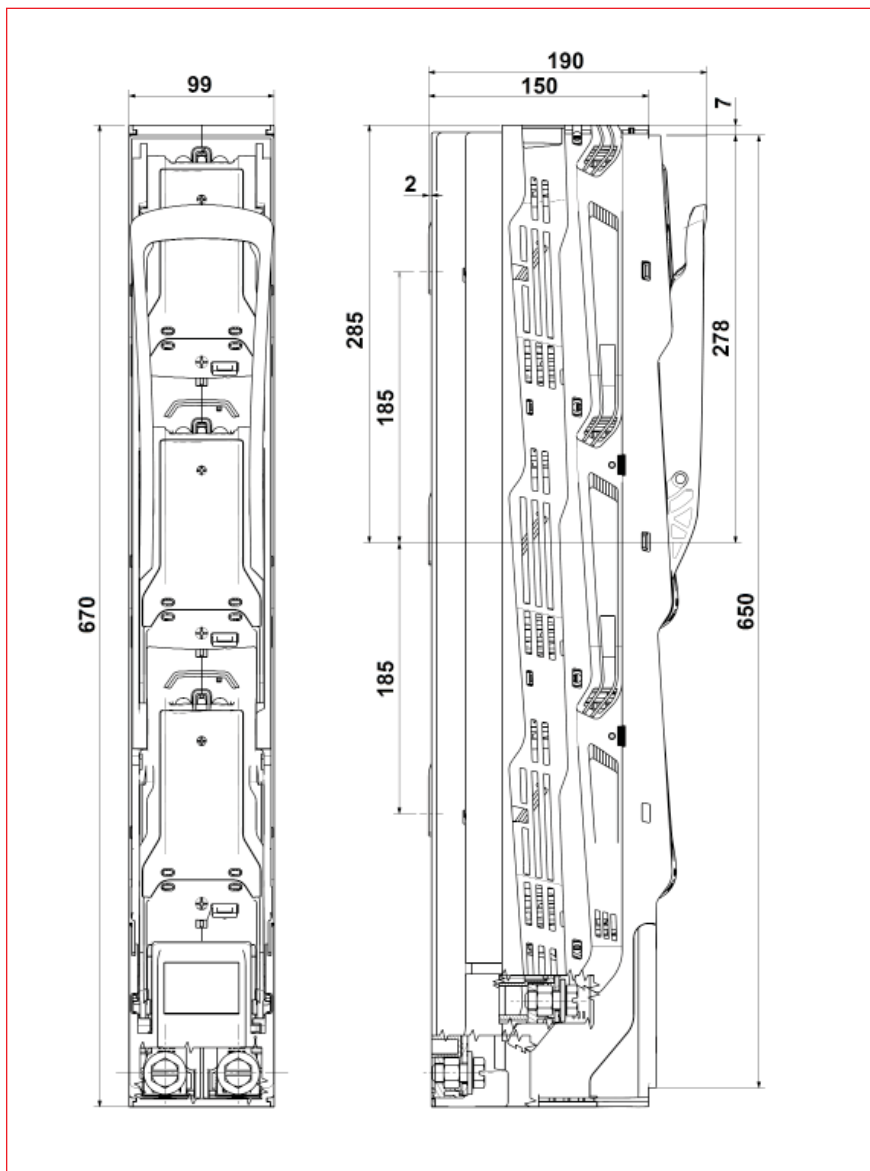
- QUADRON®185Power NH-In-line fuse switch-disconnector size 1, 250 A
- Bus-mounting on 185mm busbar-system
- Screw M12
- Self-closing inspection holes are available in the cover
- Hinged windows for time-saving mounting and no need to dismantle the NH in-line fuse switch disconnectors
- Easily accessible cable terminal compartment
- Lid can be locked in the open and closed positions
- Easy switching thanks to ergonomic operating handle
- Considerable scope for cable connecting
- Outgoing feeder top/bottom can be connections.
- Cover can be locked when closed.
- Optional current transformers mountable into In-line fuse switch-disconnector

The lateral ducts of the QUADRON®185Power NH in-line fuse switch disconnectors produce a kind of draw-off chimney which acts as a cooling and ventilation system and pinpoints the discharge of switching gases and heat.

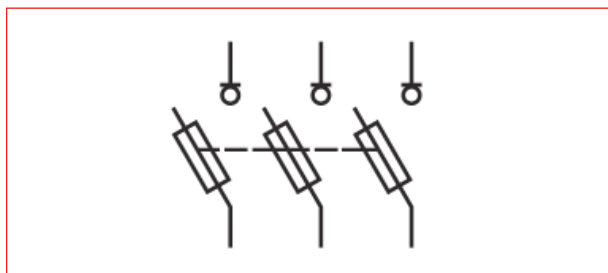
Rated current (IEC):	250 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 250A/400V AC-22B 250A/500V AC-22B 250A/690V AC-21B 250A/690V
Power dissipation:	24 W
Rated surge voltage U_{sur} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	80 kA / 690 V 80 kA / 500 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 1 up to 23W power dissipation	
Degree of protection:	Degree of protection IP20 at front, degree of protection near terminal depends on installation
Type of fastening:	
Can be screwed onto drilled busbar, diameter 13mm, undrilled drilling with optional terminal clamp	
Connection:	screw connection M12
Terminal points screw:	screw M12, galvanized, chromized Md 30 Nm
Optional terminal clamp SI337350:	Cu/Al 1 x 70-240mm ² sm/se 1 x 50-185mm ² rm Connection not maintenance-free if aluminium conductors are used

■ HRC-inline-fuse load-breaker size 1 (250A), for 185mm system, series Wöhner

■ SI337010 Dimensions



■ SI337010 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole in-line switching, screw-terminal M12, 250A		SI337010
Size 1, 3-pole in-line switching, screw-terminal M12, 250A, with electronic fuse monitoring		SI337210
Terminal clamp f. NH in-line fuse switch disc.1-3 for undrilled mounting 185Power		SI337400
Boxterminal for size 1-2 fo Cu and Al 70-240mm ²		SI337350
Double-Direct-Connection terminal Cu and Al for size 1/2/3, sm 2 x 35-150mm ² , se 2 x 50-185mm ²		SI332700



Order no. blue: on stock, usually ready for delivery on the day of order

■ HRC-inline-fuse load-breaker size 2 (400A), for 185mm system, series Wöhner



SI337350



SI337030

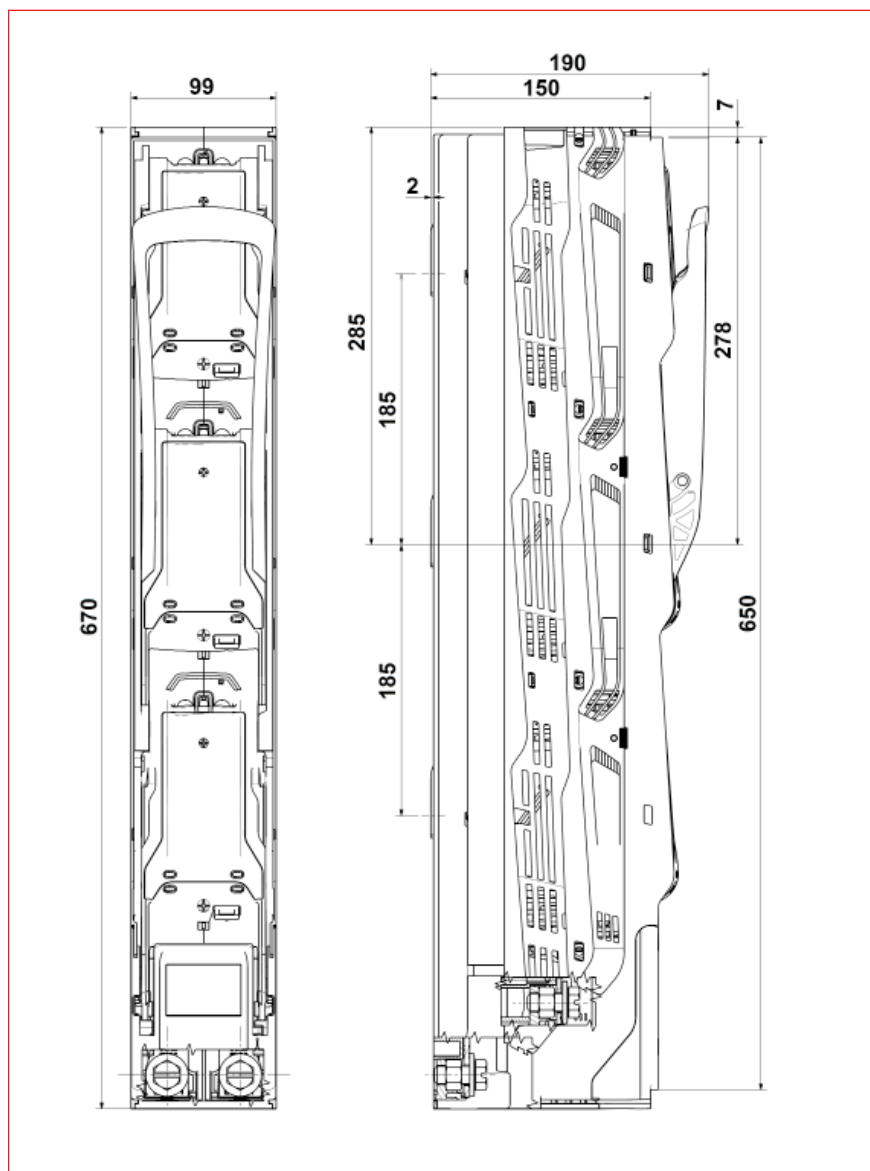
Schrack-Info

- QUADRON® 185 Power NH-In-line fuse switch-disconnector size 2, 400 A
- Bus-mounting on 185mm busbar-system
- Screw M12
- Self-closing inspection holes are available in the cover
- Hinged windows for time-saving mounting and no need to dismantle the NH in-line fuse switch disconnectors
- Easily accessible cable terminal compartment
- Lid can be locked in the open and closed positions
- Easy switching thanks to ergonomic operating handle
- Considerable scope for cable connecting
- Outgoing feeder top/bottom can be connections.
- Cover can be locked when closed.
- Optional current transformers mountable into In-line fuse switch-disconnector

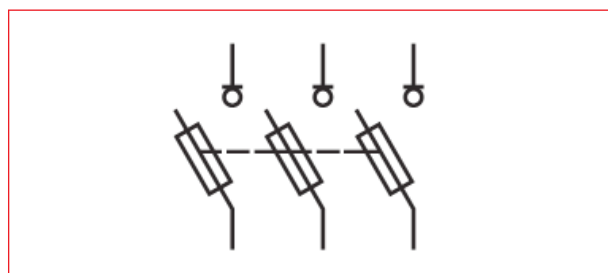
Rated current (IEC):	400 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 400A/400V
	AC-22B 400A/500V
	AC-22B 400A/690V
	AC-21B 400A/690V
Power dissipation:	60 W
Rated surge voltage U_{imp} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	80 kA / 500 V
	80 kA / 690 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 2 up to 34W power dissipation	
Degree of protection:	Degree of protection IP20 at front, degree of protection near terminal depends on installation
Type of fastening:	
Can be screwed onto drilled busbar, diameter 13mm, undrilled drilling with optional terminal clamp	
Connection:	screw connection M12
Terminal points screw:	screw M12, galvanized, chromized
	Md 30 Nm
Optional terminal clamp SI337350:	Cu/Al
	1 x 70-240mm ² sm/se
	1 x 50-185mm ² rm
Connection not maintenance-free if aluminium conductors are used	




■ HRC-inline-fuse load-breaker size 2 (400A), for 185mm system, series Wöhner

SI337020 Dimensions



■ SI337020 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole in-line switching, screw-terminal M12, 400A		SI337020
Size 2, 3-pole in-line switching, screw-terminal M12, 400A, with electronic fuse monitoring		SI337220
Boxterminal for size 1-2 fo Cu and Al 70-240mm ²		SI337350
Terminal clamp f. NH in-line fuse switch disc.1-3 for undrilled mounting 185Power		SI337400
Double-Direct-Connection terminal Cu and Al for size 1/2/3, sm 2 x 35-150mm ² , se 2 x 50-185mm ²		SI332700

■ HRC-inline-fuse load-breaker size 3 (630A), for 185mm system, series Wöhner



SI337030



SI337360

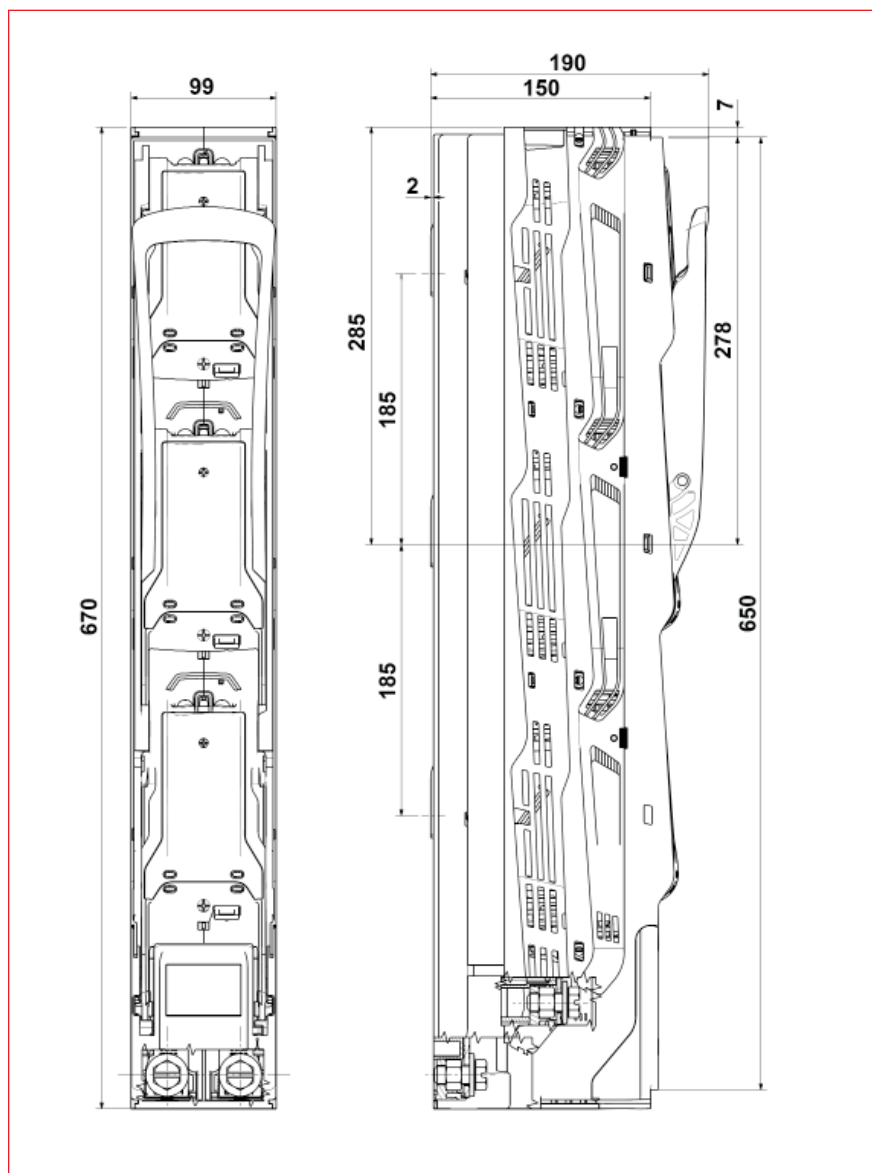
■ Schrack-Info

- QUADRON®185Power NH-In-line fuse switch-disconnector size 3, 630 A
- Bus-mounting on 185mm busbar-system
- Screw M12
- Self-closing inspection holes are available in the cover
- Hinged windows for time-saving mounting and no need to dismantle the NH in-line fuse switch disconnectors
- Easily accessible cable terminal compartment
- Lid can be locked in the open and closed positions
- Easy switching thanks to ergonomic operating handle
- Considerable scope for cable connecting
- Outgoing feeder top/bottom can be connections.
- Cover can be locked when closed.
- Optional current transformers mountable into In-line fuse switch-disconnector

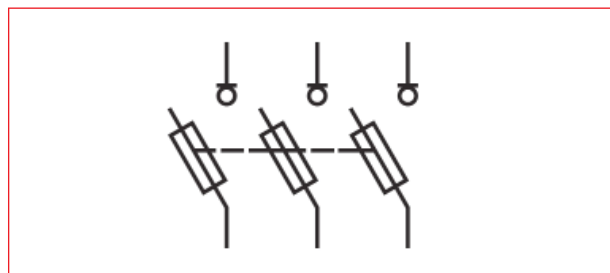
Rated current (IEC):	630 A
Rated voltage (IEC) AC:	690 V
Category of use AC:	AC-23B 630A/400V
	AC-22B 630A/500V
	AC-22B 400A/690V
	AC-21B 400A/690V
Power dissipation:	118 W
Rated surge voltage U_{imp} :	8 kV
Max. permitted voltage (IEC) AC:	1000 V
Cond. rated short-circuit current with fuses:	80 kA / 690 V
	100 kA / 500 V
Approved with fuse links of characteristics:	gG
For fuse links IEC 60269-2-1 (I) / DIN VDE 0636-201 size 3 up to 48W power dissipation	
Degree of protection:	Degree of protection IP20 at front, degree of protection near terminal depends on installation
Type of fastening:	
Can be screwed onto drilled busbar, diameter 13mm, undrilled drilling with optional terminal clamp	
Connection:	screw connection M12
Terminal points screw:	screw M12, galvanized, chromized
	Md 30 Nm
Optional terminal clamp SI337360:	Cu/Al
	1x185mm ² -240mm ² sm
	1x150mm ² -300mm ² se
	1x120mm ² -300mm ² rm
Connection not maintenance-free if aluminium conductors are used	

■ HRC-inline-fuse load-breaker size 3 (630A), for 185mm system, series Wöhner

■ SI337030 Dimensions



■ SI337030 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 3, 3-pole in-line switching, screw-terminal M12, 630A		SI337030
Size 3, 3-pole in-line switching, screw-terminal M12, 630A, with electronic fuse monitoring		SI337230
Boxterminal for conductors size 3, Cu and Al 120-300mm ²		SI337360
Terminal clamp f. NH in-line fuse switch disc.1-3 for undrilled mounting 185Power		SI337400
Double-Direct-Connection terminal Cu and Al for size 1/2/3, sm 2 x 35-150mm ² , se 2 x 50-185mm ²		SI332700



Order no. blue: on stock, usually ready for delivery on the day of order

■ HRC-inline-fuse load-breaker Accessories, for 185mm system, series Wöhner



SI337480

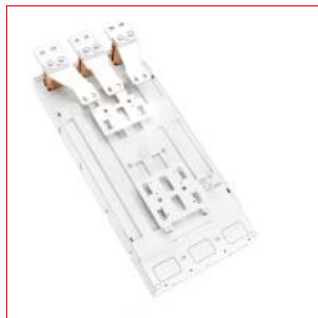
■ Schrack-Info

- Current transformer for QUADRON®185Power NH-In-line fuse switch-disconnector
- Easy mountable into In-line fuse switch-disconnector
- Accuracy class 1

Type	SI337410	SI337420	SI337440	SI337450	SI337460	SI337470	SI337480
For in-line-fuse disconnector size:	00	00	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Rated current (IEC):	80A	150A	150 A	200 A	250 A	400 A	600 A
Rated apparent power:	5 VA	5 VA	1.5 VA	1.5 VA	1.6 VA	2.5 VA	2.5 VA
Primary rated current strength:	80A	150A	150 A	200 A	250 A	400 A	600 A
Secondary rated current strength:	5 A	5 A	5 A	5 A	5 A	5 A	5 A
Accuracy class:	1	1	1	1	1	1	1
Maximum operating voltage Um:	0.72 kV						
Frequency:	50-60 Hz						
Overcurrent limiting factor:	FS5						
Thermal nominal short-time current I _{th} :	60 x I _n						
Insulation class:	E						
Contacts:	Faston 6,3x 0,8mm (DIN46244-A)						

DESCRIPTION	AVAILABLE	ORDER NO.
150A / 5A		SI331260
400A / 5A		SI331740
600A / 5A		SI331800
Mounting clip current transformer for adaptor for size 00		SI333000
80/5, 5VA, for SI337000		SI337410
150/5, 1,5VA, for SI337010, SI337020, SI337030		SI337440
200/5, 1,5VA, for SI337010, SI337020, SI337030		SI337450
250/5, 2,5VA, for SI337010, SI337020, SI337030		SI337460
400/5, 2,5VA, for SI337010, SI337020, SI337030		SI337470
600/5, 2,5VA, for SI337010, SI337020, SI337030		SI337480
Adapter for 185mm system 1440A, for MCCB MC4		SI327800
Cover for busbar-adaptor 185mm SI327800		SI327500
Terminal compartment cover size 1-3 100mm wide		SI337330
Double-Direct-Connection terminal Cu and Al for size 1/2/3, sm 2 x 35-150mm ² , se 2 x 50-185mm ²		SI332700
Direct terminal Cu and Al sm 35-150mm ² , se 50-185mm ²		SI332680

Adapter for 185 mm busbar-system



SI327800

Schrack-Info

- EQUES®185Power-adapter
- Bus-mounting on 185mm busbar-system
- Space for optional current transformer are available

Rated current (IEC):	1440 A
Poles:	3-pole
Busbar-system:	185 mm
For MCCB:	300 x 652, connection top, screw connection for Schrack MC4 1600A (max. 1440A) for Siemens 3VL8 1600A (max. 1400A), with Siemens 3VL8 up to 1400A only ! for Eaton NZM4 1600A (max. 1440A),
Rated voltage (IEC) AC:	690 V
Power dissipation:	489 W
Rated isolation voltage U _i (AC):	800 V
Rated surge voltage U _{imp} :	8 kV
Max. permitted voltage (IEC) AC:	800 V
Short-circuit withstandability:	the MCCB gives the short-circuit protection to the adapter

DESCRIPTION	AVAILABLE	ORDER NO.
Busbaradapter, 185 mm-system, for MCCB 630A, for example MC3		SI327420
Adapter for 185mm system 1440A, for MCCB MC4		SI327800
Cover for busbar-adapter 185mm SI327800		SI327500
Cover plate for cover SI327500 1 piece requested per phase		SI327510

Accessories



SI015390

Schrack-Info

- Accessoires for 100/185mm busbar-system-products, series Wöhner

DESCRIPTION	AVAILABLE	ORDER NO.
Cover cap, 3P 0		SI015390
Base plate UL508		SI015150
Base plate UL508		SI015180
Compartment section, front, 3P for SI015520		SI015540
Compartment section, top / bottom for SI015520		SI015550
Set of holders (left + right) for cover sections, 3pole		SI011360
compartment section		SI012370
Mount for cover section for SI013140		SI013170
Flat terminal connection of width 35 and 30 for flat busbars		SI015870
Shock protection module for 185mm busbar-system 50mm		SI014330
Shock protection module for 185mm busbar-system 100mm		SI014340
Adapter 200A, 108x315 Sys.100		SI320010



Order no. blue: on stock, usually ready for delivery on the day of order

MOTUS-Contactron Control for 60mm-busbar-system



SI361020

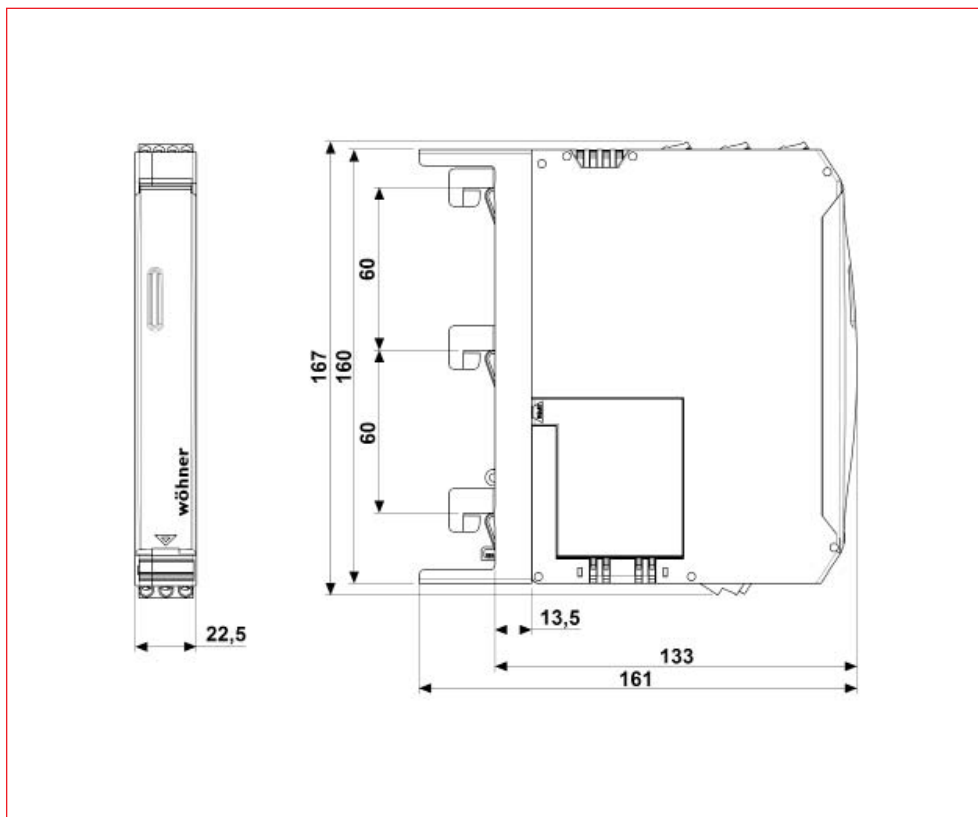
Schrack-Info

- MOTUS®60Classic - hybrid motor starter
- For 60mm-busbar-system
- For busbars of 5 and 10 mm thickness and width of 12 to 30 mm, double-T and triple-profile
- Controlling for rotational directions (forward/reverse)
- Integrated melting-fuses

Article:	SI361020	SI361050	SI361080
Type:	hybrid motor starter	hybrid motor starter	hybrid motor starter
Poles:	0.075 - 0.6 A	0.18 - 2.4 A	1.5 - 9 A
Busbarsystem	3-pole	3-pole	3-pole
For busbars:	60mm		
Rated current (IEC):	12, 15, 20, 25, 30 x 5, 10 and double-T and triple-T section		
Rated voltage (IEC) AC:	0.6 A	2.4 A	9 A
Rated voltage (UL) AC:	500 V	500 V	500 V
Rated isolation voltage Ui (AC):	500 V	500 V	500 V
Rated surge voltage Uimp :	500 V	500 V	500 V
Max. permitted voltage (IEC) AC:	6 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	500 V	500 V	500 V
Main Circuit:			
Operating voltage range: 42 - 500V AC (50/60Hz)	42 - 500 V AC (50/60Hz)	42 - 500 V AC (50/60Hz)	42 - 500 V AC (50/60Hz)
Load current at 20 °C:	0.075 - 0.6 A	0.18 - 2.4 A	1.5 - 9A
	(can be set in 16 steps)	(can be set in 16 steps)	(can be set in 16 steps)
Rated operating current Ie as per IEC 60947-1:	AC-51 as per IEC 60947-4-3: 0.6 A	AC-51 as per IEC 60947-4-3: 2.4 A	AC-51 as per IEC 60947-4-3: 9A
	AC-53a as per IEC 60947-4-2: 0.6 A	AC-53a as per IEC 60947-4-2: 2.4 A	AC-53a as per IEC 60947-4-2: 6.5A
Trigger characteristic curve as per IEC 60947:	Class 10A	Class 10A	Class 10A
Electrical lifespan:	30 million switching operations		
Max. switch frequency:	2Hz		
Allocation type 2:	10 kA, 500 V	10 kA, 500 V	5 kA, 400 V
Allocation type 1:	50 kA / 500 V	50 kA / 500 V	50 kA / 500 V
Surge voltage category	III	III	III
Level of soiling:	2	2	2
Rated surge withstand capacity:	6kV	6kV	6kV
Maximum busbar current:	2500 A	2500 A	2500 A
Power dissipation (min./max.):	0.88W/2.8W	0.88W/5.5W	0.88W/12W
Degree of protection as per DIN EN 60529:	IP20	IP20	IP20
Control Circuit:			
Rated control voltage:	24 V DC	24 V DC	24 V DC
Rate control feed current as per IEC 60947-1:	< 40mA	< 40mA	< 40mA
Feedback output (for error messages):	simple contact, changeover switch		
Signal contact:	30V AC/36V DC		
	50mA continuous load current		
Power contact:	250V AC/DC		
	6A continuous load current		
Terminal points:	Screw terminals (solid round, flexible, flexible with wire-end ferrule)		
	0.14 - 2.5mm ² / 0.5 - 0.6Nm		
	The cable outlet is provided with a pluggable terminal		

■ MOTUS-Contactron Control for 60mm-busbar-system

■ SI361010 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
0,075 - 0,6A		SI361020
0,18 - 2,4A		SI361050
1,5 - 9A		SI361080



MOTUS-Contactron Control for 60mm-busbarsystem-Compact



SI361020

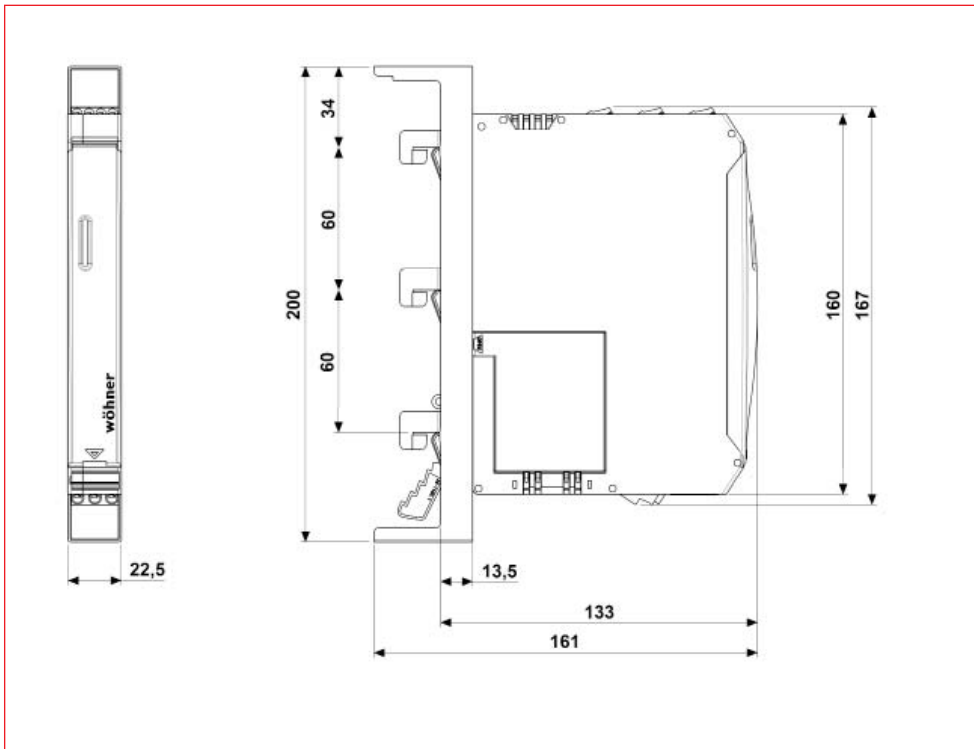
Schrack-Info

- MOTUS@60Compact - hybrid motor starter
- For 60mm-System compact
- Controlling for rotational directions (forward/reverse)
- Integrated melting-fuses

Article:	SI361010	SI361040	SI361070
Type:	hybrid motor starter	hybrid motor starter	hybrid motor starter
Poles:	0.075 - 0.6 A	0.18 - 2.4 A	1.5 - 9 A
Busbarsystem	3-pole	3-pole	3-pole
For busbars:	60mm-Compact		
Rated current (IEC):	12 x 5 and 12 x 10		
Rated voltage (IEC) AC:	0.6 A	2.4 A	9 A
Rated voltage (UL) AC:	500 V	500 V	500 V
Rated isolation voltage Ui (AC):	500 V	500 V	500 V
Rated surge voltage Uimp :	500 V	500 V	500 V
Max. permitted voltage (IEC) AC:	6 kV	6 kV	6 kV
	500 V	500 V	500 V
Main Circuit:			
Operating voltage range: 42 - 500V AC (50/60Hz)	42 - 500 V AC (50/60Hz)	42 - 500 V AC (50/60Hz)	42 - 500 V AC (50/60Hz)
Load current at 20 °C:	0.075 - 0.6 A	0.18 - 2.4 A	1.5 - 9A
	(can be set in 16 steps)	(can be set in 16 steps)	(can be set in 16 steps)
Rated operating current Ie as per IEC 60947-1:	AC-51 as per IEC 60947-4-3: 0.6 A	AC-51 as per IEC 60947-4-3: 2.4 A	AC-51 as per IEC 60947-4-3: 9A
	AC-53a as per IEC 60947-4-2: 0.6 A	AC-53a as per IEC 60947-4-2: 2.4 A	AC-53a as per IEC 60947-4-2: 6.5A
Trigger characteristic curve as per IEC 60947:	Class 10A	Class 10A	Class 10A
Electrical lifespan:	30 million switching operations		
Max. switch frequency:	2Hz		
Allocation type 2:	10 kA, 500 V	10 kA, 500 V	5 kA, 400 V
Allocation type 1:	50 kA / 500 V	50 kA / 500 V	50 kA / 500 V
Surge voltage category	III	III	III
Level of soiling:	2	2	2
Rated surge withstand capacity:	6kV	6kV	6kV
Maximum busbar current:	2500 A	2500 A	2500 A
Power dissipation (min./max.):	0.88W/2.8W	0.88W/5.5W	0.88W/12W
Degree of protection as per DIN EN 60529:	IP20	IP20	IP20
Control Circuit:			
Rated control voltage:	24 V DC	24 V DC	24 V DC
Rate control feed current as per IEC 60947-1:	< 40mA	< 40mA	< 40mA
Feedback output (for error messages):	simple contact, changeover switch		
Signal contact:	30V AC/36V DC		
	50mA continuous load current		
Power contact:	250V AC/DC		
	6A continuous load current		
Terminal points:	Screw terminals (solid round, flexible, flexible with wire-end ferrule)		
	0.14 - 2.5mm ² / 0.5 - 0.6Nm		
	The cable outlet is provided with a pluggable terminal		

■ MOTUS-Contactron Control for 60mm-busbarsystem-Compact

■ SI361020 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
0,075 - 0,6A		SI361010
0,18 - 2,4A		SI361040
1,5 - 9A		SI361070



MOTUS-Contactron Control for DIN-rail



SI361000

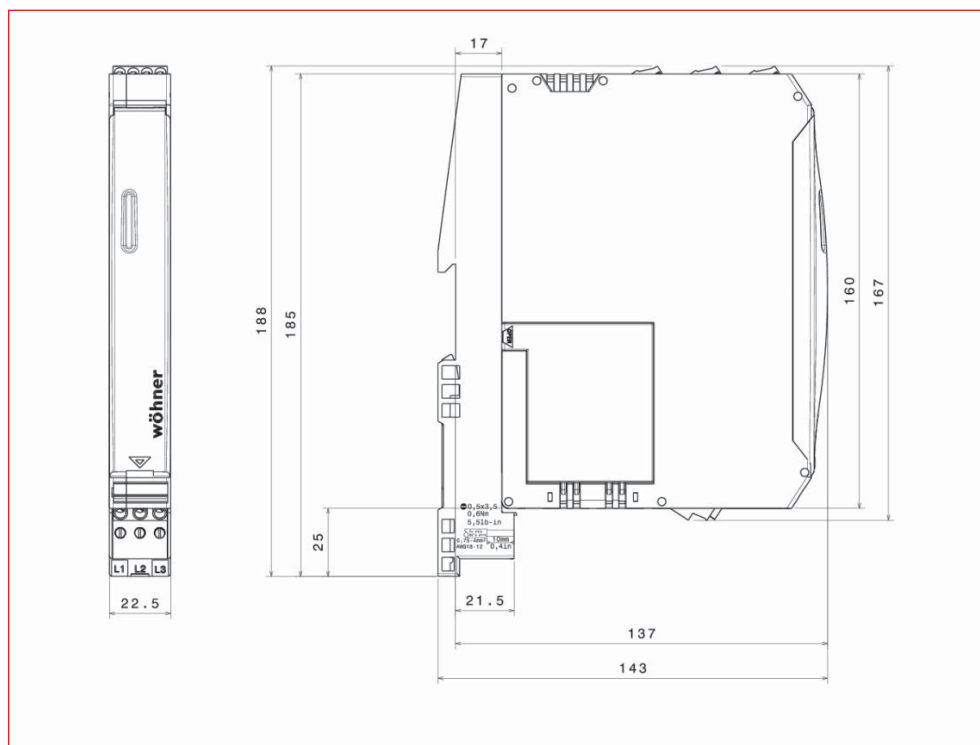
Schrack-Info

- MOTUS®Panel - hybrid motor starter
- For DIN rail
- Controlling for rotational directions (forward/reverse)
- Integrated melting-fuses

Article:	SI361000	SI361030	SI361060
Type:	hybrid motor starter	hybrid motor starter	hybrid motor starter
Poles:	0.075 - 0.6 A	0.18 - 2.4 A	1.5 - 9 A
Mounting-system:	3-pole	3-pole	3-pole
Rated current (IEC):	for DIN rail		
Rated voltage (IEC) AC:	0.6 A	2.4 A	9 A
Rated voltage (UL) AC:	500 V	500 V	500 V
Rated isolation voltage U _i (AC):	500 V	500 V	500 V
Rated surge voltage U _{imp} :	6 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	500 V	500 V	500 V
Main Circuit:			
Operating voltage range: 42 - 500V AC (50/60Hz)	42 - 500 V AC (50/60Hz)	42 - 500 V AC (50/60Hz)	42 - 500 V AC (50/60Hz)
Load current at 20°C:	0.075 - 0.6 A (can be set in 16 steps)	0.18 - 2.4 A (can be set in 16 steps)	1.5 - 9 A (can be set in 16 steps)
Rated operating current I _e as per IEC 60947-1:	AC-51 as per IEC 60947-4-3: 0.6 A	AC-51 as per IEC 60947-4-3: 2.4 A	AC-51 as per IEC 60947-4-3: 9 A
Trigger characteristic curve as per IEC 60947:	AC-53a as per IEC 60947-4-2: 0.6 A	AC-53a as per IEC 60947-4-2: 2.4 A	AC-53a as per IEC 60947-4-2: 6.5 A
Electrical lifespan:	Class 10A	Class 10A	Class 10A
Max. switch frequency:	30 million switching operations		
Allocation type 2:	2Hz		
Allocation type 1:	10 kA, 500 V	10 kA, 500 V	5 kA, 400 V
Surge voltage category	50 kA / 500 V	50 kA / 500 V	50 kA / 500 V
Level of soiling:	III	III	III
Rated surge withstand capacity:	2	2	2
Maximum busbar current:	6kV	6kV	6kV
Power dissipation (min./max.):	2500 A	2500 A	2500 A
Degree of protection as per DIN EN 60529:	0.88W/2.8W	0.88W/5.5W	0.88W/12W
Control Circuit:			
Rated control voltage:	IP20	IP20	IP20
Rate control feed current as per IEC 60947-1:	24 V DC	24 V DC	24 V DC
Feedback output (for error messages):	< 40mA	< 40mA	< 40mA
Signal contact:	simple contact, changeover switch		
Power contact:	30V AC/36V DC		
Terminal points:	50mA continuous load current		
	250V AC/DC		
	6A continuous load current		
	Screw terminals (solid round, flexible, flexible with wire-end ferrule)		
	0.14 - 2.5mm ² / 0.5 - 0.6Nm		
	The cable outlet is provided with a pluggable terminal		

MOTUS-Contactron Control for DIN-rail

SI361000 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
0,075 - 0,6A		SI361000
0,18 - 2,4A		SI361030
1,5 - 9A		SI361060

MOTUS-Contactron Control -accessories



SI361120

Schrack-Info

- Accessories for MOTUS®

DESCRIPTION	AVAILABLE	ORDER NO.
Adapter for DIN-rail		SI361120
Adapter for 60mm-compact-system		SI361130



Center-feeds, up to 3200 A



SI350060

Schrack-Info

- Easy installation in a clearly arranged design, drill-free assembly and electrical direct-contacting
- Customised solutions thanks to a wide range of incoming connections
- TCC section busbars offer even more connection possibilities
- Short-circuit withstand capacity of up to 120 kA

DESCRIPTION	AVAILABLE	ORDER NO.
1250 A center feed unit for cabinet width 800 mm		SI350060
1250 A center feed unit for cabinet width 600 mm		SI350070
2000 A center feed unit for cabinet width 800 mm		SI350040
3200 A center feed unit for cabinet width 800 mm		SI350160
Busbar support, 3-pole, central for centre feed unit		SI350010
Busbar support, for centre feed unit		SI350080
TT-Busbar support, 4-pole, for centre feed unit		SI350090

Connection terminals for center-feeds



SI017600

Schrack-Info

- Connection of conductors 95-300 mm²/ re, rm, se, f, or flat busbars up to 40x25, for busbars 30x10, TT-, TTT-profile-busbars
- Connection for flexible busbars up to 41x25, and busbars 40x10-60x10
- Rated cross section and torque are print on the terminals

DESCRIPTION	AVAILABLE	ORDER NO.
10mm / 16-120 mm ²		SI012030
Terminal for round conductor for busbar 30 x 10, T and TT, 95-300 mm ² , 630A, terminal space 41x25		SI010940
Brace terminal for Cu and AL 95-185 mm ² , 500A, terminal space 30x20		SI013180
Brace terminal for Cu and AL 150-300 mm ² , max. 600 A, terminal-space 32x25		SI017600
800-100mm ² , terminal space 81x20-42 max. 1600A double-T		SI019350
Terminal for busbar 30 x 10, T and double T profile		SI010920
TT-profile-terminal, terminal space 41 x 20-42mm		SI011850
Profile terminal space 64 x 5-28mm		SI019070

Busbar-support 60mm-system, series ARROW

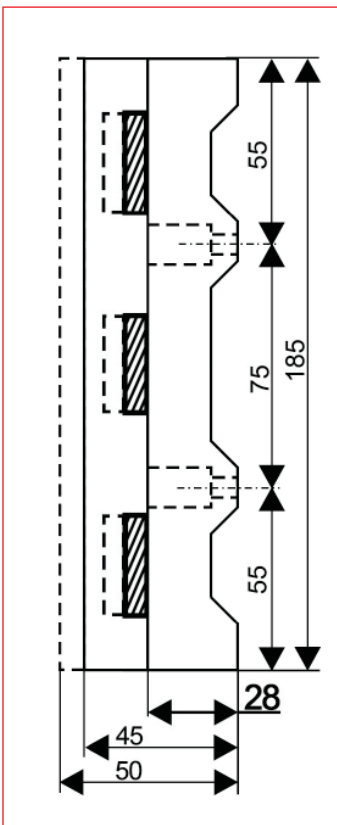




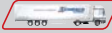

IS502752

Schrack-Info

- Can be built on, high short-circuit protection, UL94-V0
- Temperature resistance: +200 °C, 960 °C glow wire
- Rated operating voltage: 690 V
- Tightening torque for top screws: 3 - 4 Nm

IS502750 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
3pole, short, 60mm system		IS502750
3pole, long, 60mm system		IS502752
1 pole, detachable, 60mm system		IS502754
2 pole, single, 60mm system		IS502755
Busbar support end-bracket 3pole, 60mm system		IS502757



ARROW R Switch Disconnecter D02



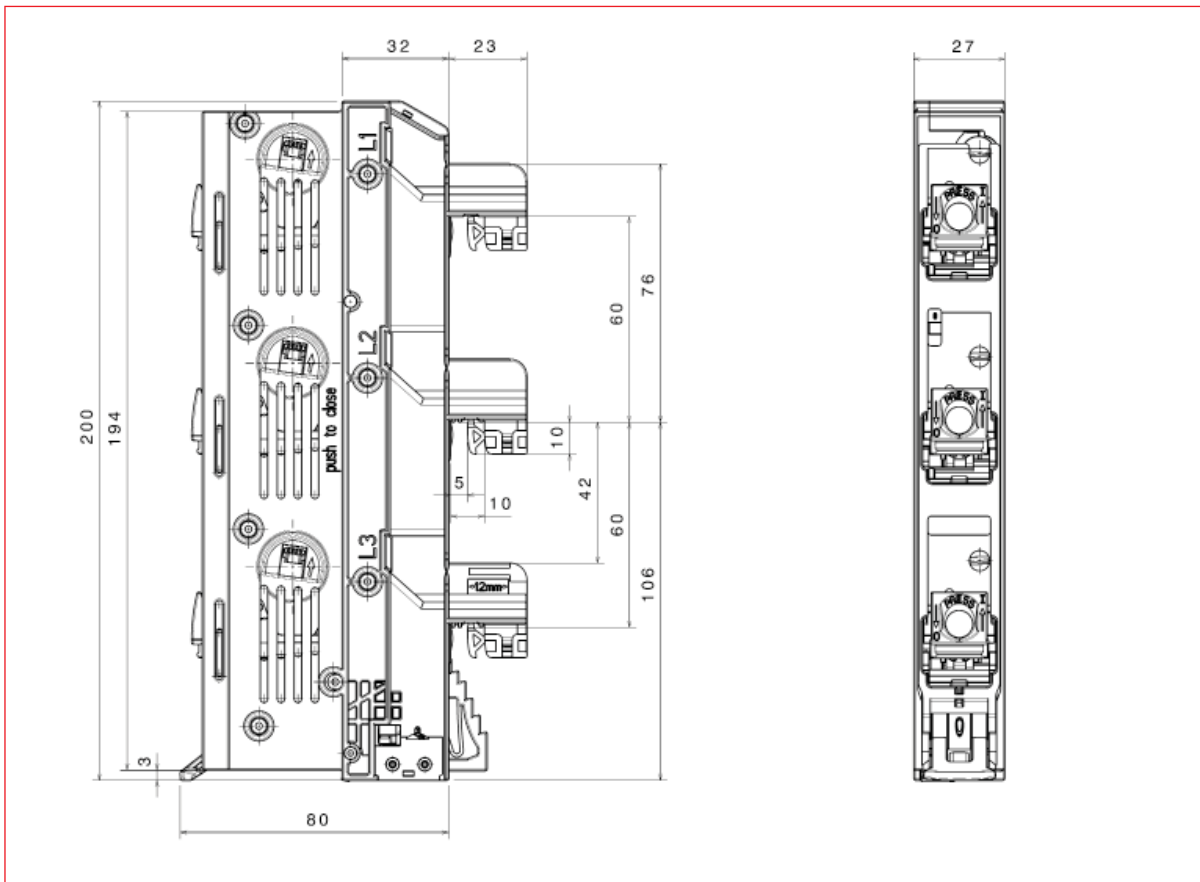
IS503863

Schrack-Info

- Bus-mounted fuse-switch-load-disconnector, for 3-pole busbar system for fuse links D0
- For fuses and gauge rings in according IEC 60269-3
- For 60mm busbar-system

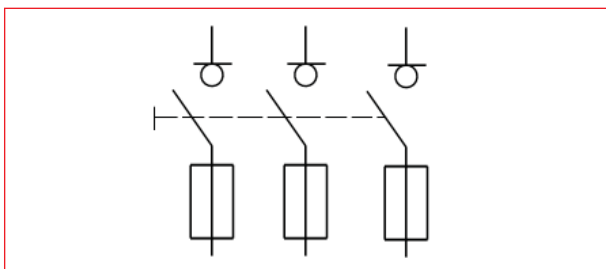
Fuse-size	D02 in according EN 60269-3
Rated current (IEC):	63 A
Poles:	3-pole
Rated voltage (IEC) AC:	400 V
Utilisation category AC (IEC 60947-3):	AC-22B (400V)
Rated isolation voltage U_i :	500 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 400V
Material properties body:	temperature stability 140°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 225, silicon-free, halogen-free
Material properties handle:	temperature stability 120°C, self-extinguishing in acc. to UL 94, creepage resistance CTI 200
Terminal points	1,5 - 16 mm ² stranded and flexible without ferrule 1,5 - 10 mm ² flexible with ferrule 1,5 - 10 mm ² fixed

IS503863 Dimensions



ARROW R Switch Disconnecter D02

IS503863 Wiring diagram







DESCRIPTION	AVAILABLE	ORDER NO.
63A		IS503863

ARROW R Switch Disconnecter D02 with fixed adjusting sleeves



IS503825

- Schrack-Info**
- Fixed sleeve rings

DESCRIPTION	AVAILABLE	ORDER NO.
20A, complete		IS503820
25A, complete		IS503825
35A, complete		IS503835
50A, complete		IS503850



■ Tytan R Switch Disconnecter D02



IS504851



IS504853

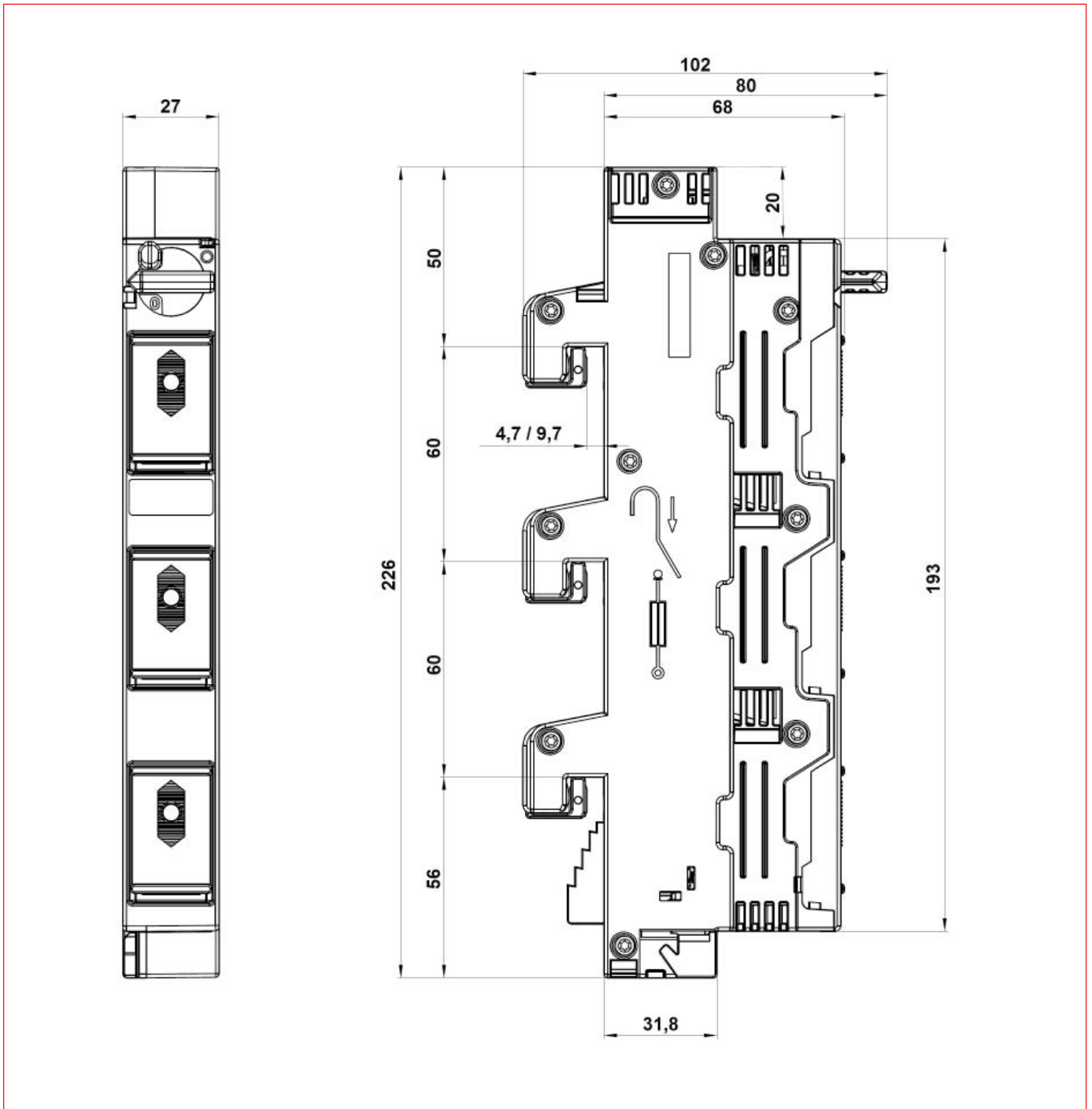
■ Schrack-Info

- Including D0 fuse-plug with flashing indicator
- Including plug retaining spring for D01 and cylindrical fuses 10x38 mm
- Removable fuse-plug reliable fuse-blown indication
- Securing against restarting sealable
- 27mm wide

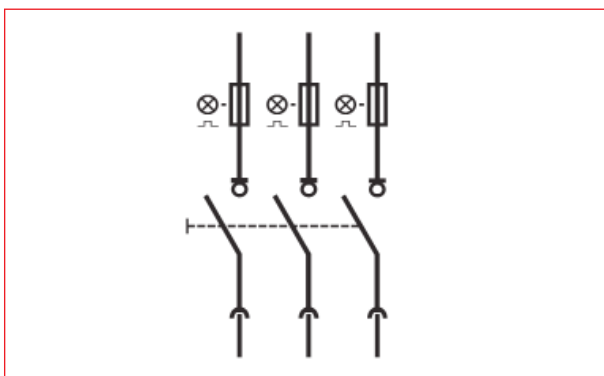
Classification	Switch disconnecter fuse
Standards	EN 60947-3, IEC 947-3, DIN VDE 0638
Suitable for D0 fuses DIN 49522	D01, 2, 4, 6, 10, 13, 16 A with plug retaining spring D02: 20, 25, 32, 35, 40, 50, 63 A
Suitable for cylinder fuses IEC/EN 60269-1	10x38 mm: 2 ... 32 A with plug retaining spring
Suitable for gauge-pieces DIN 49523	D02: 2, 4, 6, 10, 16, 20, 25, 35, 50 A
Number of poles	3-pole
Rated operational voltage U_e	D0: 400V-AC, 10 x 38 zyl. 500V-AC
Rated operational current I_n	63 A
Rated impulse withstand voltage U_{imp}	6000 V
Rated short circuit making capacity I_{cn}	50 kA _{eff}
Utilisation category	AC 22B
Power loss	4,5 W
Overvoltage category	IV (DIN VDE 0110)
For busbarsystem	60 mm - system
For busbar-type	12, 15, 20, 25, 30 mm wide, 5 or 10 mm thick
Insulating parts	Plastic, halogen-, phosphorus-, silicone-free
Fire classification /Leakage current resistance	UL94/V0, glow wire test 960 °C / CTI600
Degree of protection / touch protection	IP 20 / finger and hand touch safe
Ambient temperature min/max	- 25 °C / 60 °C
Degree of pollution	3 (DIN VDE 0110)
Connection style	Stainless steel cage terminal
Terminal capacity	1,5 - 35 mm ²
Torque M_p	4 Nm

■ Tytan R Switch Disconnecter D02

■ IS504851 Dimensions



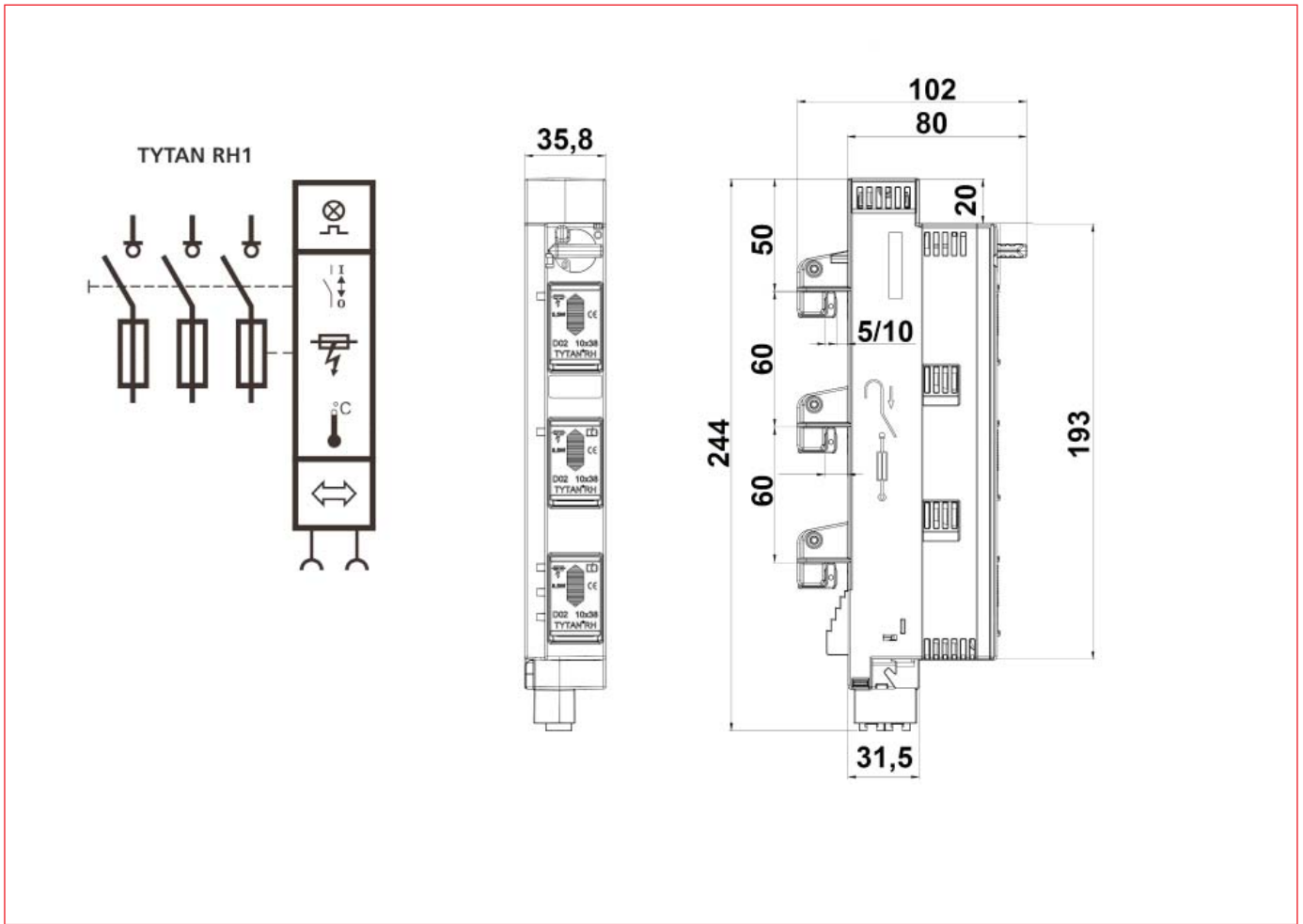
■ IS504851 Wiring diagram



Busbar-system 60mm, series ARROW

■ Tytan R Switch Disconnecter D02

■ IS504858 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
20A, 3-pole		IS504853
63A, 3-pole		IS504851
63A, 3pole+N		IS504852
TYTAN RH1-Load-Breaker D02 for 60mm-System with monitoring		IS504858
TYTAN HR12-relays summary-module-monitoring 2 C/O 5A / 250 VAC		IS504871
TYTAN HR11-relays single-module-monitoring 2 C/O 5A / 250 VAC		IS504870
TYTAN HC-Patchcord RJ10 15 cm		IS504873
TYTAN HC-Patchcord RJ10, 100 cm		IS504877

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Tytan R Switch Disconnecter D02 with fixed adjusting sleeves



IS504853

Schrack-Info

- Fixed sleeve rings

DESCRIPTION	AVAILABLE	ORDER NO.
20A, 3-pole		IS504853
25A, 3-pole		IS504854
35A, 3-pole		IS504855

Tytan R Switch Disconnecter D02 Terminals



IS504879



IS504879

Schrack-Info

- Ammeter at all three phases
- Data memory for monitoring (min, max und average of the last 24h)
- For subsequent assembly on TYTAN R
- For D0-fuses 2...63A
- For use in all three phases, the load of the phases can be continuously monitored.

Rated current I_n	63 A
Measurement range AC	0-75 A
Max. continuous current I_b	50 A
Rated voltage	400V AC
Power loss	$\leq 2,1$ mVA
Procedure AC	True RMS
Wave form	symmetric
Rated frequency f_n	50 Hz
Frequency range	47-65 Hz
Accuracy	$\pm 1\% \pm 1$ digit at I_n at $25^\circ\text{C} \pm 1^\circ\text{C}$
Definition	100 mA (0.0...9.9 A), 1 A (10...99 A)
Measurement rate	1 rating/ 1,4 s
Reference-temperature	$25^\circ\text{C} \pm 1^\circ\text{C}$
Insulating parts	Plastic, halogen-, phosphorus-, silicone-free
Fire classification	UL94/V0
Leakage current resistance	CTI 600

DESCRIPTION	AVAILABLE	ORDER NO.
Ammeter-plug in for TYTAN R, D02, 3-pole for 60mm-system		IS504879



Busbar-system 60mm, series ARROW

Coron R Switch Disconnecter D02



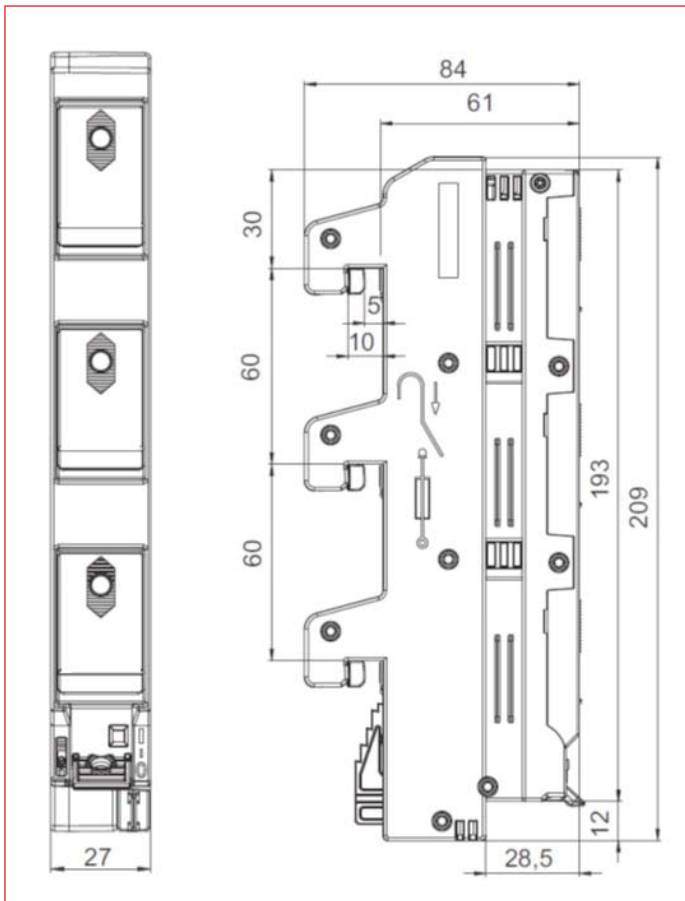
IS503563



Schrack-Info

- Flashing indicator
- For 60mm busbar-system
- Compact dimensions
- Plastic free of halogens
- Output top side

Rated voltage U_n	400V-AC
Rated current I_n	63A
Rated short circuit making capacity I_{CM}	50kA _{eff}
Connection style	Stainless steel cage terminal
Terminal capacity	1,5-25 mm ²
Turning Moment	3Nm

Dimensioned drawing



DESCRIPTION	AVAILABLE	ORDER NO.
D02, 3poles, 63A		IS503563
Duct for CORON R (2parts)		IS503569

■ D02-Switch Disconnecter for 60mm busbar-system



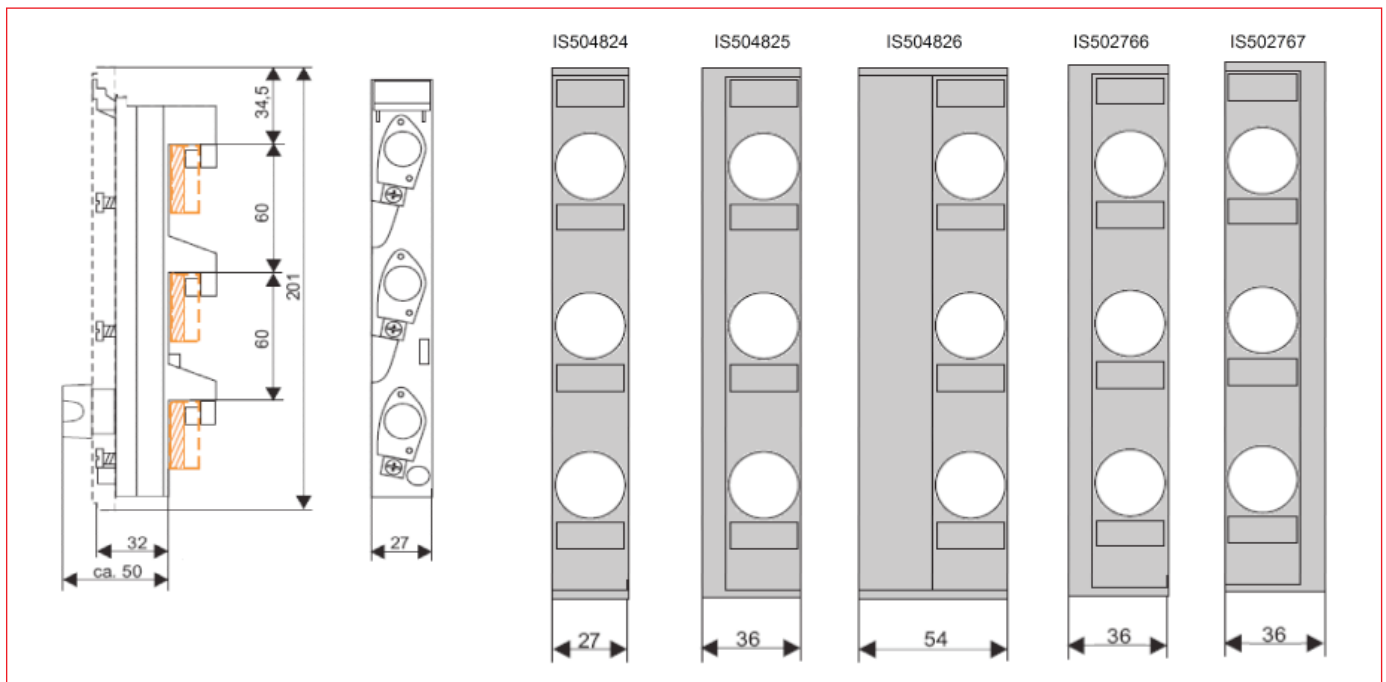
IS504823

■ Schrack-Info

- Integral labelling field, loss-free stainless steel clamp
- Temperature resistance: +200 °C, 960 °C glow wire

Size of fuse	D02
Poles	3-pole
D0-fuse links	2 - 63 A
D02 gauge	acc. DIN 49523
Creep resistance	CTI600
Fire class	UL94-V0
Rated operation voltage U_n	400V AC / 250V DC
Rated short circuit making capacity I_{cm}	50 kA
Busbar-system	60 mm
Busbar-size	12, 15, 20, 25, 30 mm
Busbar-thickness	5, 10 mm
Terminal	V2A
Terminal capacity	1,5 - 25mm ²
Torque	3-4 Nm

■ IS504823 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
D02-fusebase for 60mm busbar-system E18 without cover		IS504823
Cover for D02-fusebase E18, 3-pole		IS504824
Cover for D02-fusebase E18, 36mm with distancepart, 3-pole		IS504825
Cover for D02-fusebase E18, 54mm with distancepart, 3-pole		IS504826
D02 screw cap E 18, 63 A, plastic 400 V, plastics material		SI310060



Order no. blue: on stock, usually ready for delivery on the day of order

■ HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, 54mm, series ARROW II



ISA05019

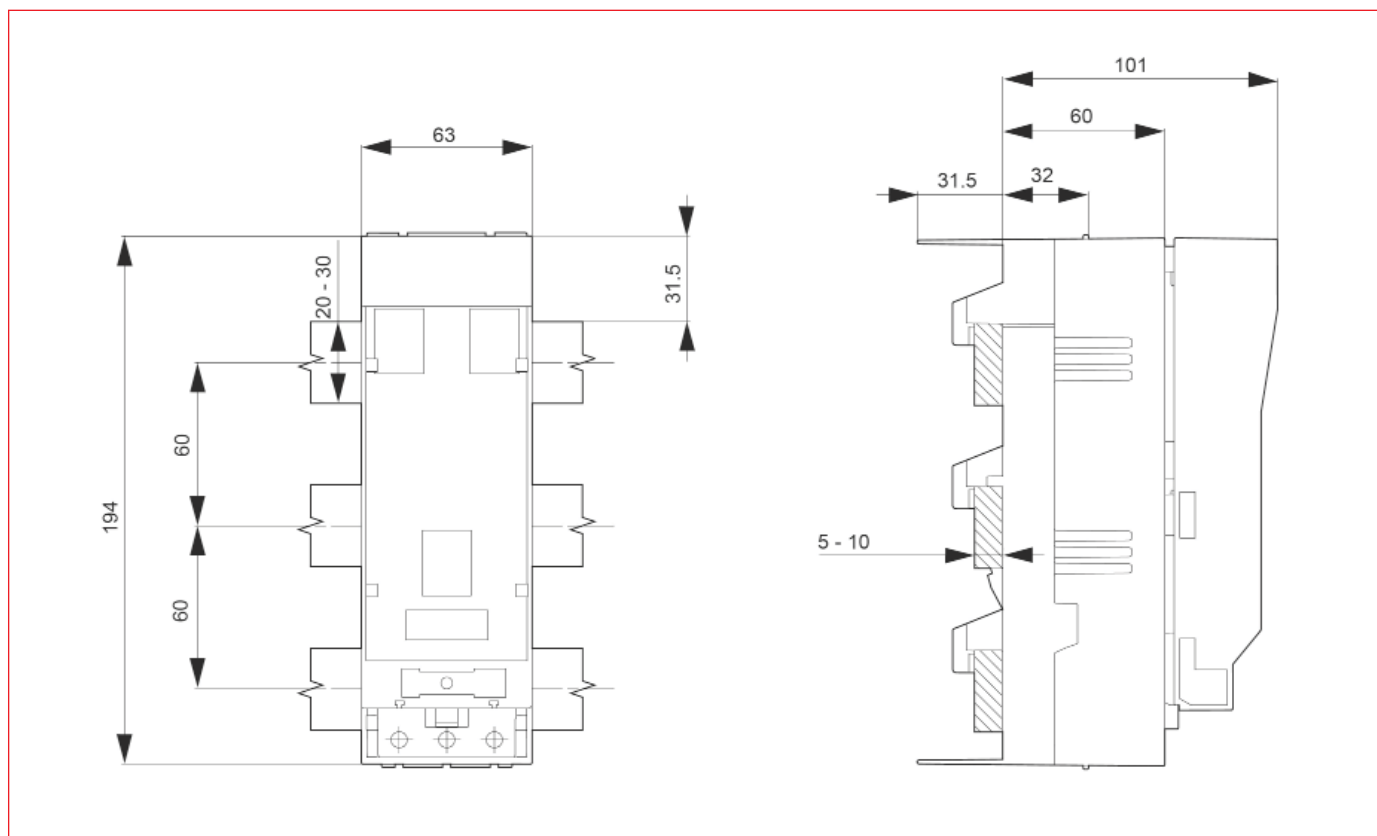
■ Schrack-Info

- Compact design, 63mm installation width
- Snap on installation without screws
- For busbars with 12-30 mm width and 5-10 mm thickness

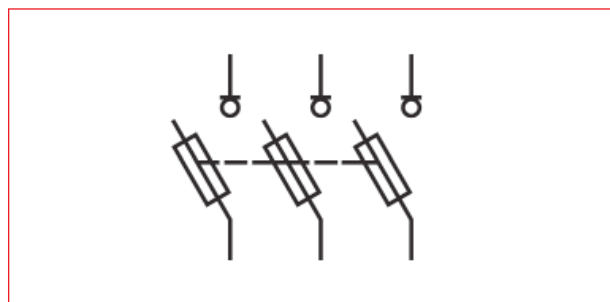
Size	NH000
Poles	3
Applicable for fuse-links	NH000
Standard	IEC/EN 60 947-3
Type of installation	Busbar mounting
Busbar distance	60mm
Switching mode	3pole switchable
Rated operating voltage	500V
Rated operating current	125A
Conv. free air thermal current with fuse-links	125A
Conv. free air thermal current with solid links	160A
Rated impulse voltage	8kV
Rated isolation voltage	500V
Rated frequency	40 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (500V/125A)
	DC-22B (220V/100A)
Rated conditional short-circuit current	50kA (AC 500V)
Max. permissible power dissipation per fuse-link	8W
Ambient temperature	-25 up to +55 °C
	>35 °C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP20
Direction of cable terminal	bottom side
Terminal type	Elevator-clamp
Clamping range	1,5 - 50mm ² Cu
Isolation strength	max. 20mm
Tightening torque	2,6Nm


■ HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, 54mm, series ARROW II

■ ISA05019 Dimensions

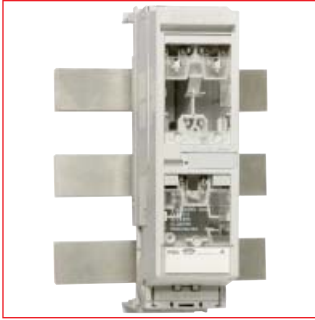


■ ISA05019 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Arrow Bloc C00 for 60mm busbar inout bottom		ISA05019

■ HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, series ARROW II



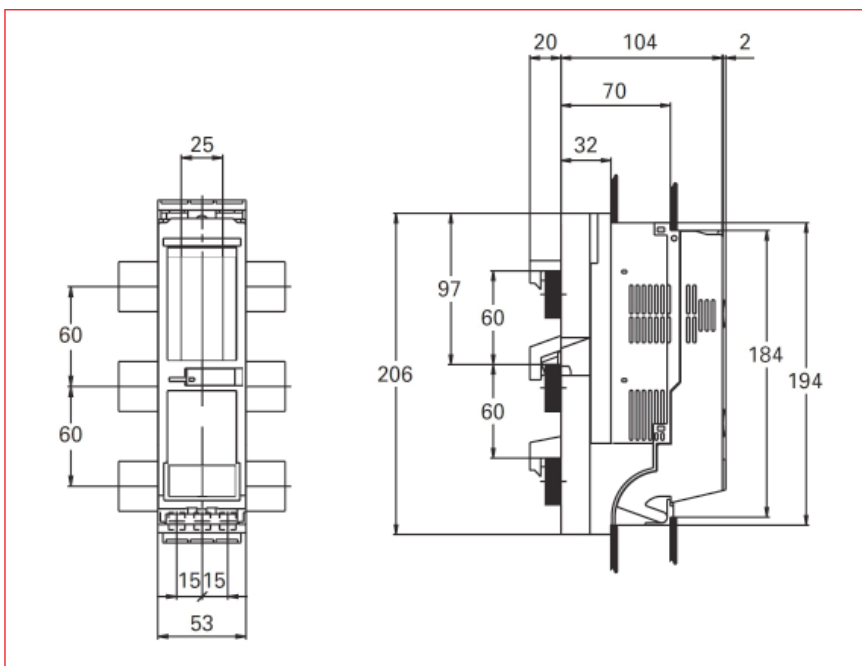
IS505019-B

■ Schrack-Info

- Device width 54 mm
- Touch protection IP 3x
- Lid lock combined with sealing
- Connection box terminal up to 2.5-50mm²

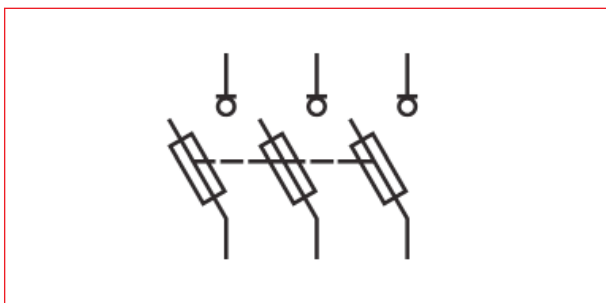
Size	000
Poles / Phases	3
Conventional thermal current in free air with NH-fuse links I_n	100A
Busbarsystem	60mm
Busbar high	20-30mm
Busbar thickness	5 or 10mm
Standard	IEC/EN 60947-3
Utilisation category / Rated operation voltage U_e / Rated operation current I_n	AC 22 B / $U_e = 690V / I_n = 100A$ DC 21 B / $U_e = 440V / I_n = 100A$
Rated operation voltage U_e	690V
Rated isolation voltage U_i	750V
Rated impulse withstand voltage U_{imp}	8kV
Rated frequency	50-60Hz
Maximum permissible rated power output of the NH fuse links P_n	12W
Protection class	IP20
Pollution degree	3
Rated duty continuous operation	non-stop operation
Rated conditional short circuit current for protection by fuses:	AC 50kA (690V/500V) DC 25kA (220V/440V)
Electrical live (operations)	300
Mechanical live (operations)	1700
Overvoltage category	III
Standard connection	lift-terminal
Terminal capacity	1,5-50mm ²

■ IS505019 Dimensions



■ HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, series ARROW II

■ IS505019 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Arrow Bloc C00 for 60mm busbar system, output bottom		IS505019-B



■ HRC-busbar-fuse load-breaker size 00 (160A) for 60mm system, series ARROW II



ISA05223

For LV HRC fuse-links acc. to DIN VDE 0636-2	Size 000/00
Standard	IEC/DIN/EN 60947-3 / VDE 0660-107
Rated operational voltage U_e	690V-AC 440V-DC
Rated operational current ¹⁾ I_n	160 A
Rated frequency f	40 - 60 Hz
Rated insulation voltage U_i	800V-AC
Total power loss at I_n (without fuse-links) P_v	14W
Rated impulse withstand voltage U_{imp}	8kV
Utilisation category ²⁾	AC-23B (400V/160A) ^{2b)} AC-22B (500V/160A) ^{2b)} AC-21B (690V/160A) ^{2b)} DC-22B (250V/160A) ^{2b)} DC-21B (440V/160A) ^{2c)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2b)} 100 (690V) ^{2b)}
Rated short-time withstand current I_{cw}	7 kA (1s)
Max. permis. power loss per fuse-link P_a	12 W
Degree of protection	Front side, operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 bis +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overtoltage category	III
Cable terminal, flat terminal	Bolt diameter M8 Tightening torque M_n 12-15 Nm
Cable terminal, clip terminal	Clamping cross-section conductor round 1,5 - 70 mm ² copper cusbar 6 x 9 x 0,8 Tightening torque M_n 2,6 Nm

¹⁾ In case of mounting of several units in low voltage switchgearcombinations, please consider rated diversity factors acc. to EN 61439-1.

²⁾ It must be considered a minimum distance to earthed, conductive parts:

^{2b)} Lateral: 20mm / Above: 50mm

^{2c)} Lateral: 50mm / Above: 100mm

³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current

DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8, with window lock		ISA05223F
Cover one way		ISA05731

■ HRC-busbar-fuse load-breaker size 00 (160A) for 60mm system, series ARROW BLUE

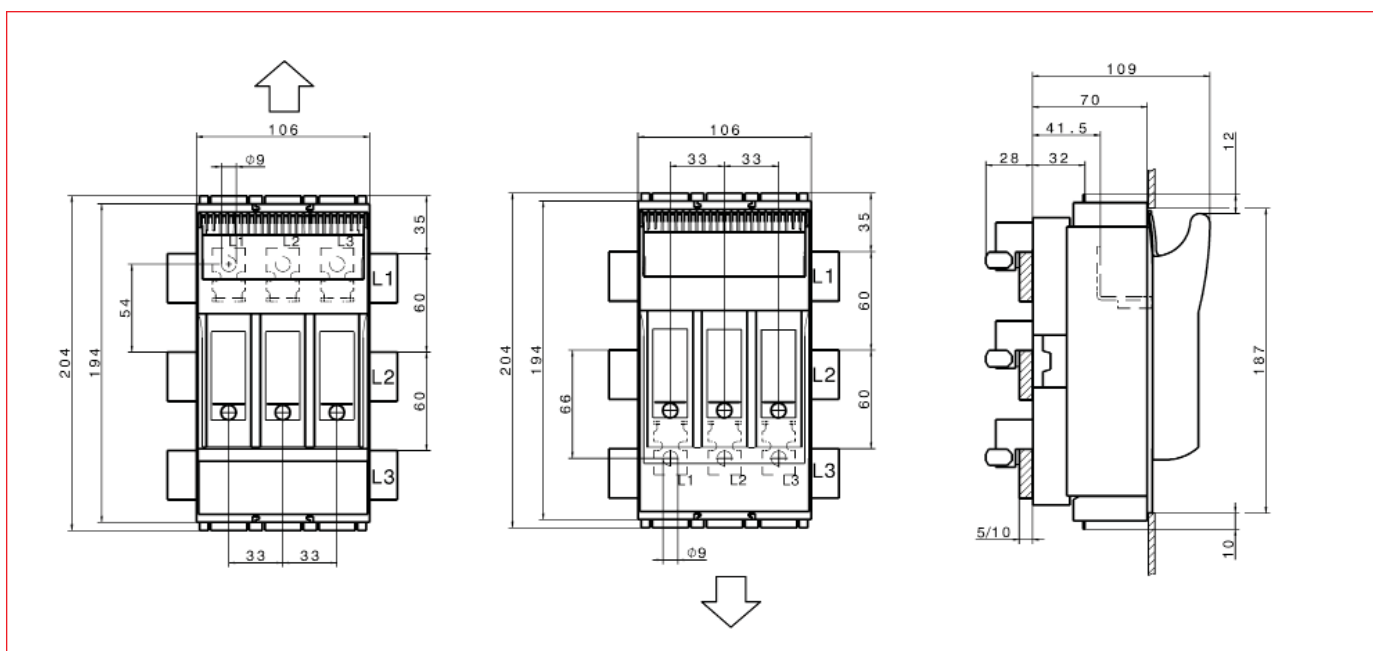


ISA05223-A

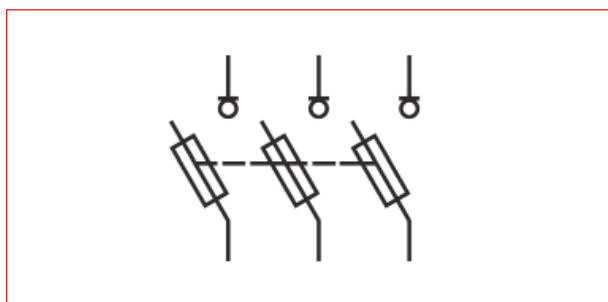
■ Schrack-Info

- For 60mm busbar-system (5mm or 10mm busbars)
- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

■ Dimensioned drawing



■ ISA05223-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Single clamp strap size 00		ISA05300
Size 00, 3-pole, 160A, M8		ISA05223-A
Prism clamp 1,5-70mm ² for size 00		ISA05335




■ HRC-busbar-fuse load-breaker size 1 (250A) for 60mm system, series ARROW II



ISA05290

■ Schrack-Info

- Output direction from top or bottom, different types

DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10, outlet bottom		ISA05290

■ HRC-busbar-fuse load-breaker size 1 (250A) for 60mm system, series ARROW BLUE



ISA05290-A

■ Schrack-Info

- For 60mm busbar-system (5mm or 10mm busbars)
- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 1
Rated operational voltage U_n	690VAC / 440V-DC
Rated operational current ¹⁾ I_n	250A
Conv. free air thermal current with fuse-links ¹⁾ I_{th}	250A
Rated frequency f	40-60Hz
Rated insulation voltage U_i	800V-AC
Total power loss at I_{th} (without fuse-links) P_v	22W
Rated impulse withstand voltage U_{imp}	8kV
Utilisation category ²⁾	AC-23B (400V/250A) ^{2b)} AC-22B (500V/250A) ^{2b)} AC-21B (690V/250A) ^{2b)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2b)} 100 (690V) ^{2b)}
Rated short-time withstand current I_{cw}	10kA(1s)
Max. permis. power loss per fuse-link P_a	23W
Degree of protection, front side	Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 bis +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overvoltage category	III
Cable terminal	Flat terminal, Bolt diameter M10 Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switchgearcombinations, please consider rated diversity factors acc. to EN 61439-1.

²⁾ It must be considered a minimum distance to earthed, conductive parts:

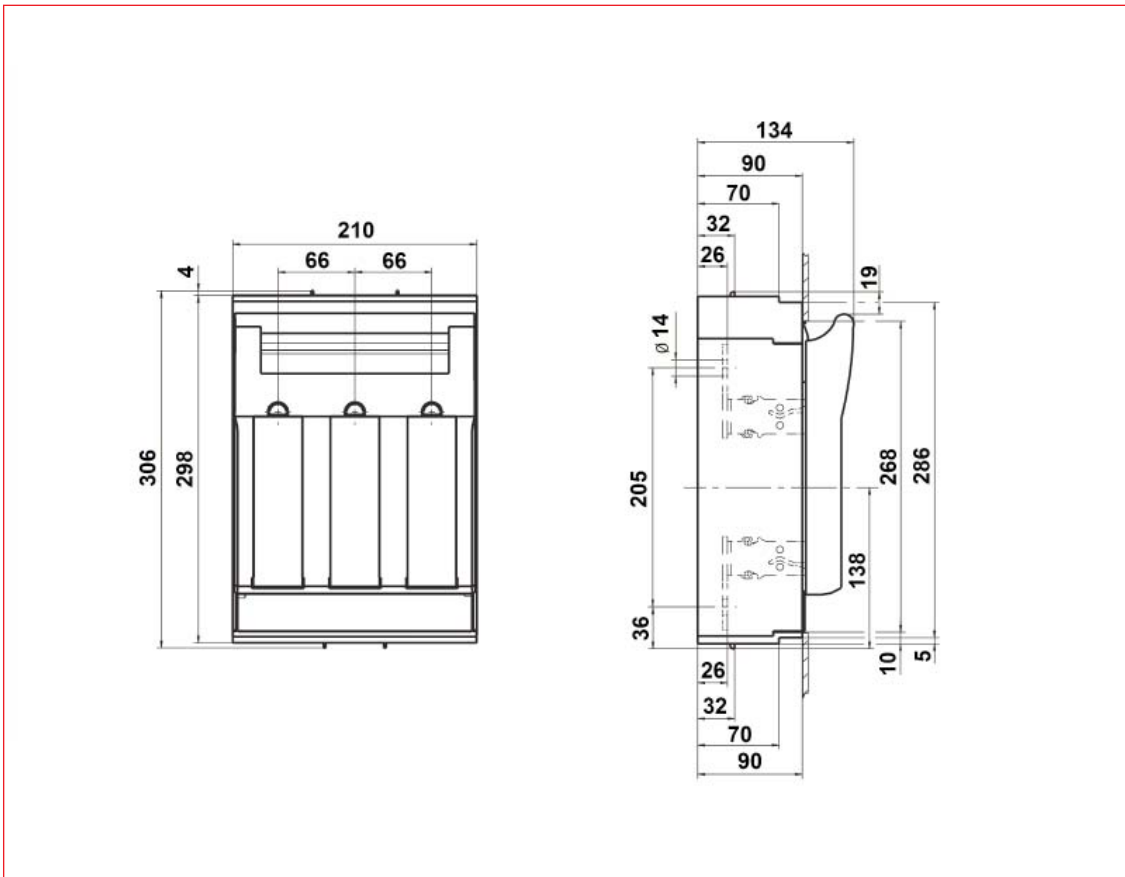
^{2b)} Lateral: 20mm / Above: 50mm

³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

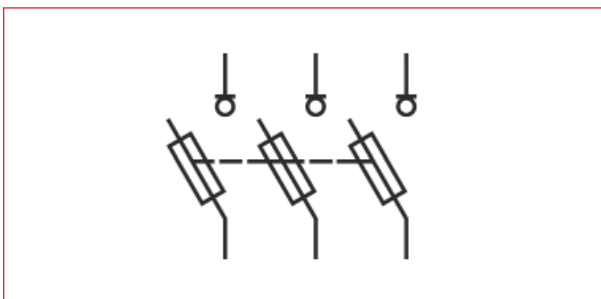
⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current


■ HRC-busbar-fuse load-breaker size 1 (250A) for 60mm system, series ARROW BLUE

■ ISA05290-A Dimensions



■ ISA05290-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10, outlet top or bottom		ISA05290-A

■ HRC-busbar-fuse load-breaker size 2 (400A) for 60mm system, series ARROW II



ISA05251

DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet bottom		ISA05251

■ HRC-busbar-fuse load-breaker size 2 (400A) for 60mm system, series ARROW BLUE



ISA05251 -A

■ Schrack-Info

- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 2
Rated operational voltage U_n	690VAC / 440 V DC
Rated operational current ¹⁾ I_n	400A
Conv. free air thermal current with fuse-links ¹⁾ I_{th}	400A
Rated frequency f	40-60Hz
Rated insulation voltage U_i	800 V AC
Total power loss at I_{th} (without fuse-links) P_v	22W
Rated impulse withstand voltage U_{imp}	8kV
Utilisation category ²⁾	AC-23B (400V/400A) ^{2b)}
	AC-22B (500V/400A) ^{2b)}
	AC-21B (690V/400A) ^{2b)}
Rated conditional short-circuit current ^{2) 3)}	120 kA (500V) ^{2b)}
	100 (690V) ^{2b)}
Rated short-time withstand current I_{cw}	10kA(1s)
Max. permis. power loss per fuse-link P_a	34W
Degree of protection, front side	Operating condition IP20
	With clamp- and lateral cover IP20XC
	switching element open IP10
Ambient temperature ⁴⁾ T_{amb}	-25 bis +55 °C
Rated operating mode	Uninterrupted duty
Actuation	dependent manual operation
Mounting position	vertical / horizontal
Altitude	up to 2000 m
Pollution degree	3
Overvoltage category	III
Cable terminal	Flat terminal, Bolt diameter M10
	Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switchgearcombinations, please consider rated diversity factors acc. to EN 61439-1.

²⁾ It must be considered a minimum distance to earthed, conductive parts:

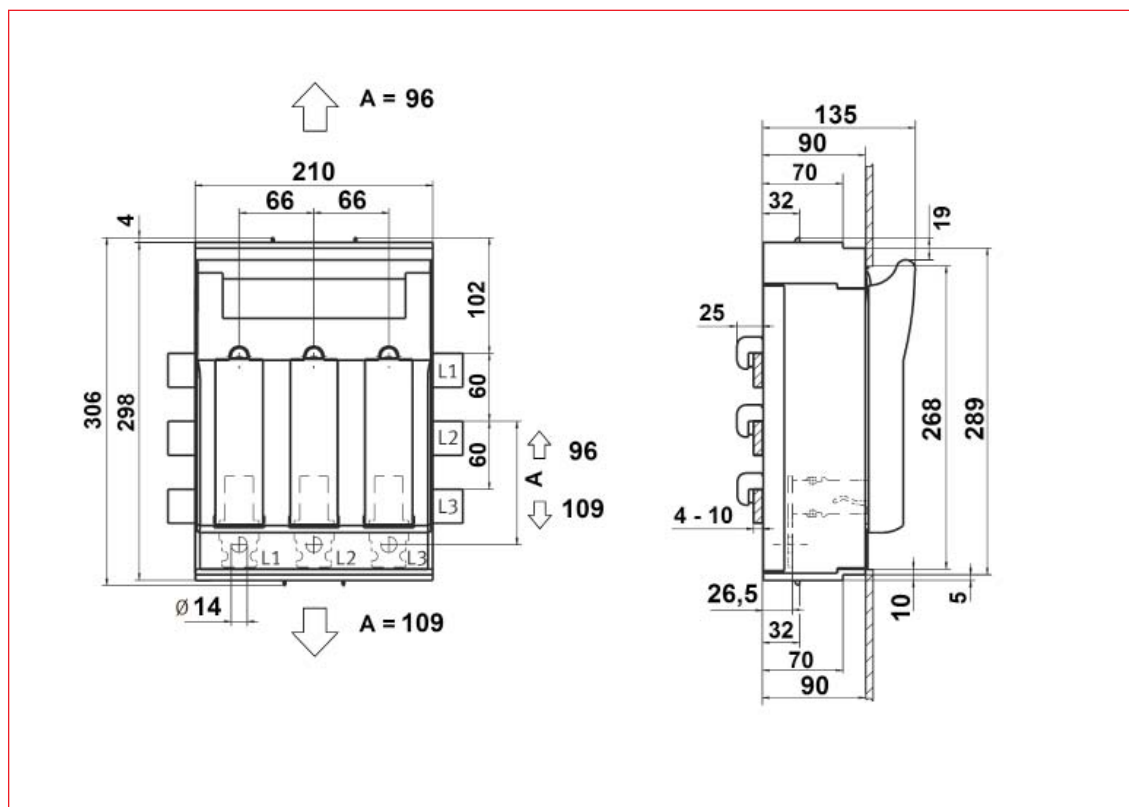
^{2b)} Lateral: 20mm / Above: 50mm

³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

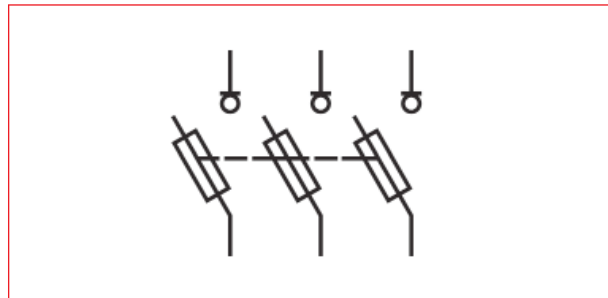
⁴⁾ 35°C Normal temperature, at 55°C with reduced operating current

■ HRC-busbar-fuse load-breaker size 2 (400A) for 60mm system, series ARROW BLUE

■ ISA05251-A Dimensions



■ ISA05251-A Wiring diagram









DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet top or bottom		ISA05251-A

Busbar-system 60mm, series ARROW

Accessories for NH-fuse load-breaker, for 60mm system, series ARROW BLUE

Schrack-Info

- Accessories for NH-fuse-load-breaker series ARROW BLUE
- Terminals
- Covers

DESCRIPTION	AVAILABLE	ORDER NO.
Single clamp strap size 00		ISA05300
Prism clamp 1,5-70mm ² for size 00		ISA05335
Clip terminal ARROW BLUE size 1		ISA05740-A
Clamp terminal ARROW BLUE size 1		ISA05742-A
Boxterminal ARROW BLUE size 1		ISA05744-A
Clip terminal ARROW BLUE size 2		ISA05741-A
Clamp terminal ARROW BLUE size 2		ISA05743-A
Boxterminal ARROW BLUE size 2 and size 3		ISA05745-A
Terminal cover ARROW BLUE size 1		ISA05702-A
Terminal cover ARROW BLUE size 2		ISA05703-A
Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00		ISA05705-A
Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00		ISA05706-A
Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00		ISA05707-A
Terminal cover extension 32 mm for ARROW BLUE size 00		ISA05708-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00		ISA05709-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 00		ISA05710-A
Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00		ISA05711-A
Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00		ISA05712-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1		ISA05713-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 1		ISA05714-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2		ISA05715-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 2		ISA05716-A
Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00		ISA05719-A
Cover support sided 32, 60 and 70 mm for ARROW BLUE size 00		ISA05720-A
Cover support top/bottom 60 and 70 mm for ARROW BLUE size 1-3		ISA05721-A

■ HRC-inline-fuse load-breaker size 00 (160A), for 60mm system, series ARROW II



ISA05260

■ Schrack-Info

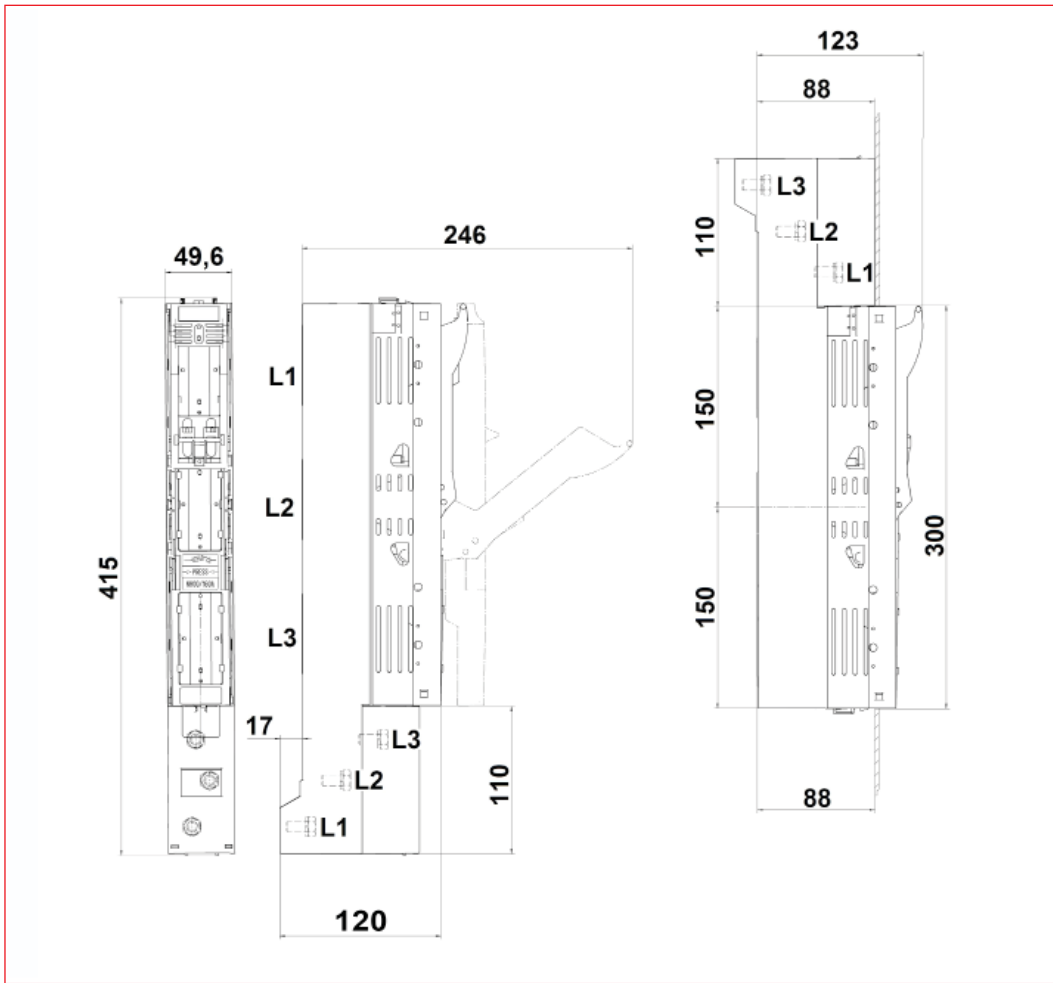
- NH-strip-type fuse-switch-disconnector with adapter for 60mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

Size	NH00
Standards	IEC/EN60947-3
Busbar distance	60mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH000 and NH00
Rated operating voltage	690V
Rated operating current	160A
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at lth (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-circuit current	80kA (AC 500V)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55 °C
	>35 °C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm ² (max. 25mm width)
Tightening torque	12-15 Nm

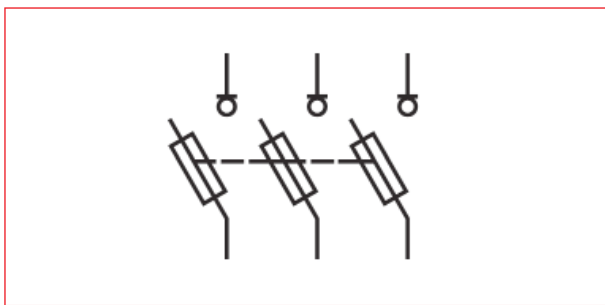
Busbar-system 60mm, series ARROW

■ HRC-inline-fuse load-breaker size 00 (160A), for 60mm system, series ARROW II

■ ISA05260 Dimensions



■ ISA05260 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8		ISA05260

▀ HRC-busbar-fuse load-breaker, for 100mm system, series ARROW II



ISA05882

▀ Schrack-Info

- For 100mm busbar-system

DESCRIPTION	AVAILABLE	ORDER NO.
ARROW-BLOC Size 1 for 100mm busbar-system, output top		ISA05886
ARROW-BLOC Size 2 for 100mm busbar-system, output top		ISA05887
ARROW-BLOC Size 3 for 100mm busbar-system, output bottom		ISA05883
ARROW-BLOC Size 3 for 100mm busbar-system, output top		ISA05884
ARROW-BLOC Size 1 for 100mm busbar-system, output bottom		ISA05881
ARROW-BLOC Size 2 for 100mm busbar-system, output bottom		ISA05882

▀ HRC-busbar-fuse load-breaker, for 100mm system, series ARROW BLUE



ISA05881-A

▀ Schrack-Info

- For 100mm busbar-system
- Output direction from top to bottom is easy and quickly to change
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10 for 100mm busbar-system, output top or bottom		ISA05881-A
Size 2, 3-pole, 400A, M10 for 100mm busbar-system, output top or bottom		ISA05882-A



Order no. blue: on stock, usually ready for delivery on the day of order

■ HRC-inline-fuse load-breaker size 00 (160A), for 100/185mm system, series ARROW II



ISA05261

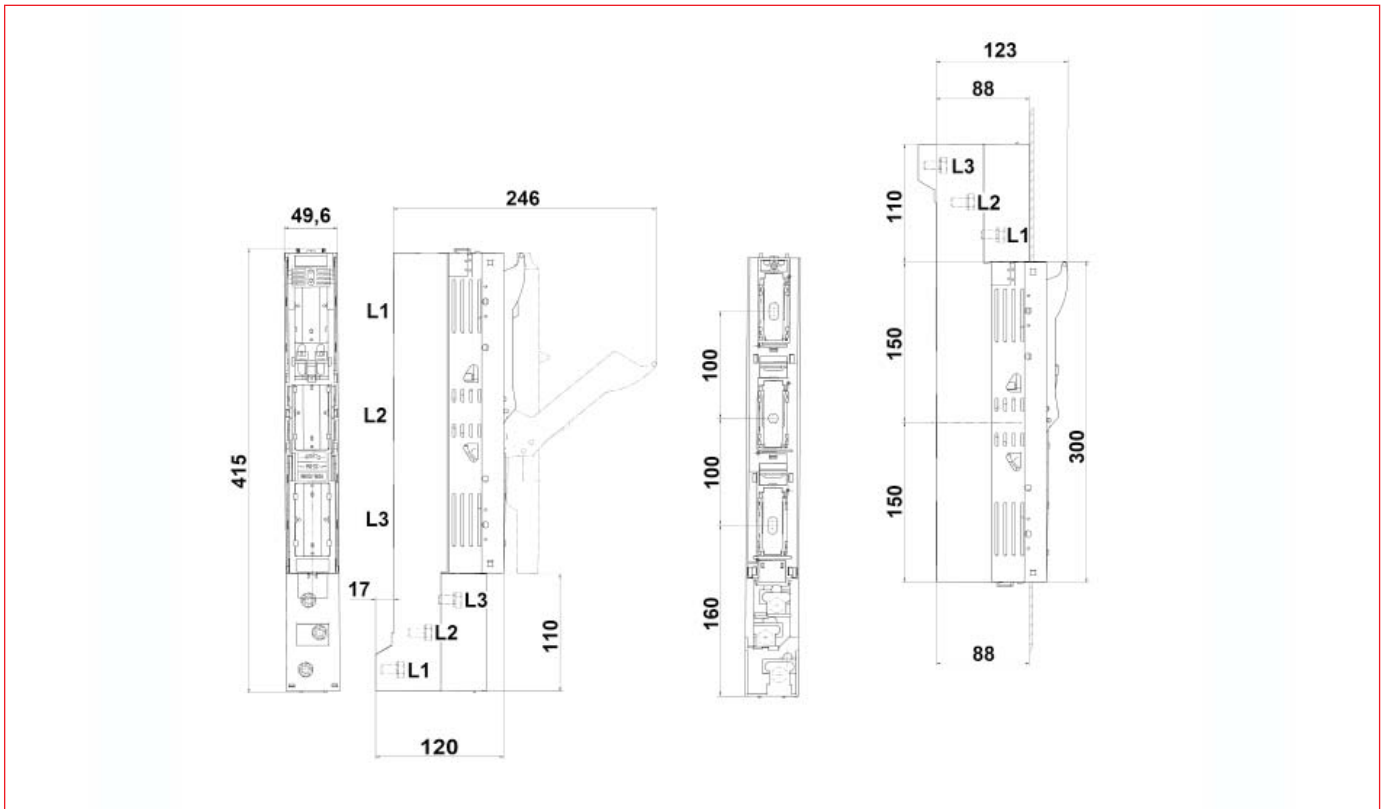
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 100mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

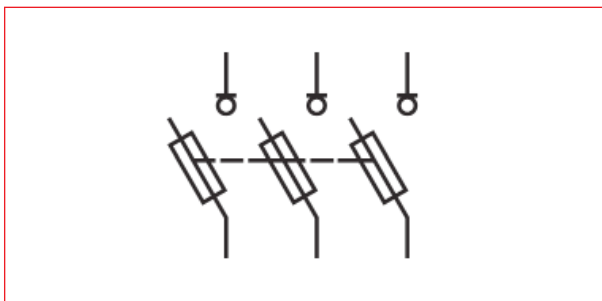
Size	NH00
Standards	IEC/EN60947-3
Busbar distance	100mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH000 and NH00
Rated operating voltage	690V
Rated operating current	160A
Current measurement	No
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-circuit current	80kA (AC 500V)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm ² (max. 25mm width)
Tightening torque	12-15 Nm

■ HRC-inline-fuse load-breaker size 00 (160A), for 100/185mm system, series ARROW II

■ ISA05261 Dimensions



■ ISA05261 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8, for 100 mm busbar-system		ISA05261
ARROW LINE size 00, 3 pole, f. 100mm busbar with Window bloc		ISA05261F
Size 00, 3-pole, 160A, for 100mm busbar-system with boxterminals		ISA05303
Single adapter f/busbar 185mm		ISA05327
Double adapter f/busbar 185mm		ISA05326
Adapter for 2 strips, size 00 - 100mm, clamp fixation		ISA05323
Cover for Double adapter for busbar 185mm		ISA05328
Forked clamp HRC-00		ISA05325
Single clamp strap size 00		ISA05300
Prism clamp 1,5-70mm ² for size 00		ISA05335

■ HRC-inline-fuse load-breaker size 00 (160A), for 185mm system, series ARROW II



ISA05304

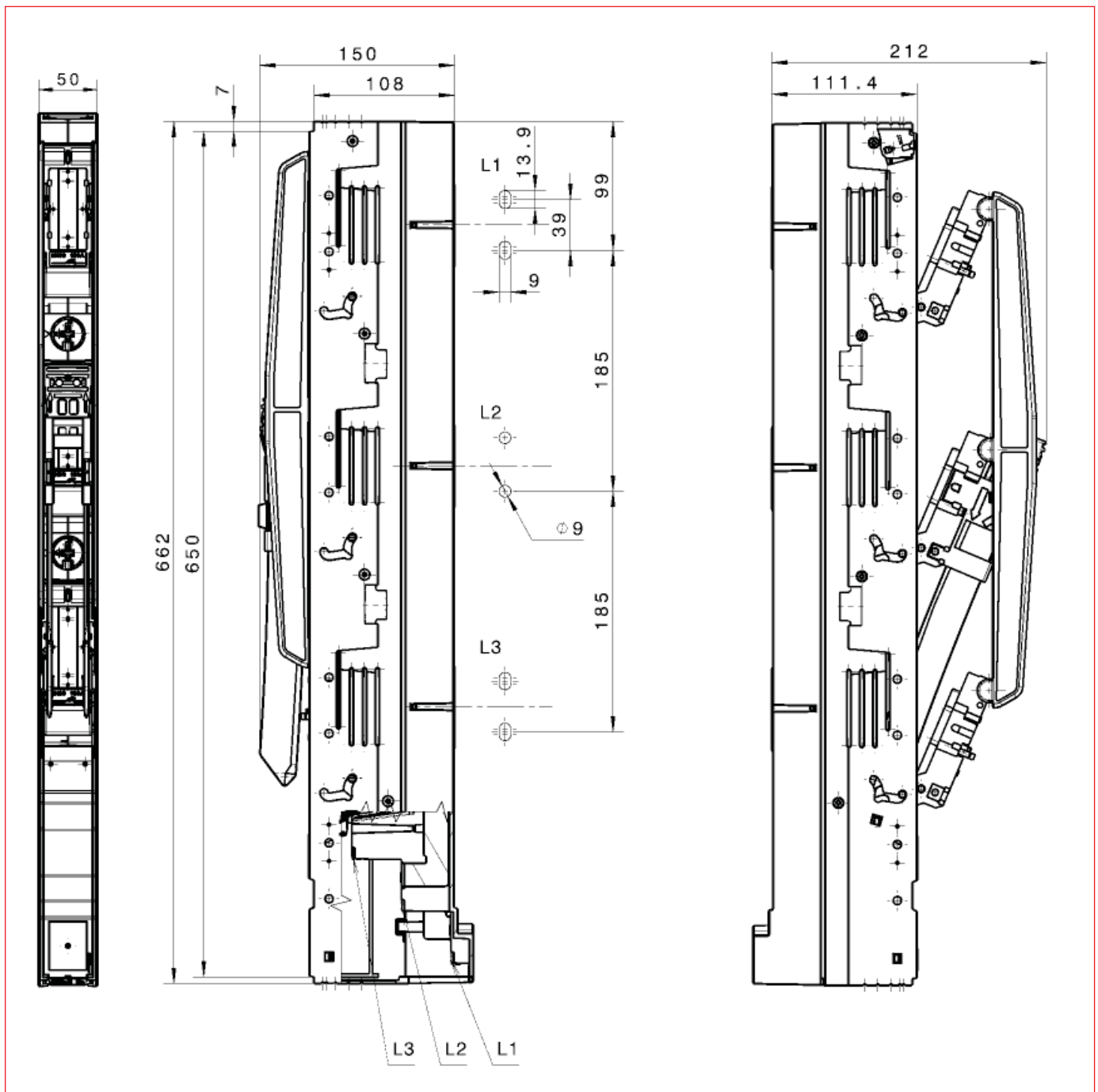
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

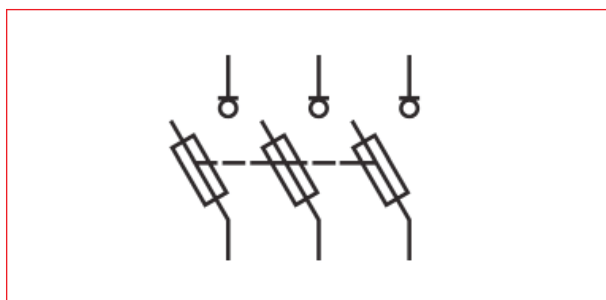
Size	NH00
Standards	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH000 / NH00
Rated operating voltage	690V
Rated operating current	160A
Current measurement	No
Conv. free air thermal current with fuse-links	160A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-circuit current	120kA [AC 500V]
	100kA [AC 690V]
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm ² (max. 25mm width)
Tightening torque	12-15Nm


■ HRC-inline-fuse load-breaker size 00 (160A), for 185mm system, series ARROW II

■ ISA05304



■ ISA05304 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
HRC-in-line-fuse ARROW LINE size 00, 3-pole, 185mm-system		ISA05304
HRC-fuse-base for 185mm busbar system		ISA05172

■ HRC-inline-fuse load-breaker size 1 (250A), for 185mm system, series ARROW II



ISA05305

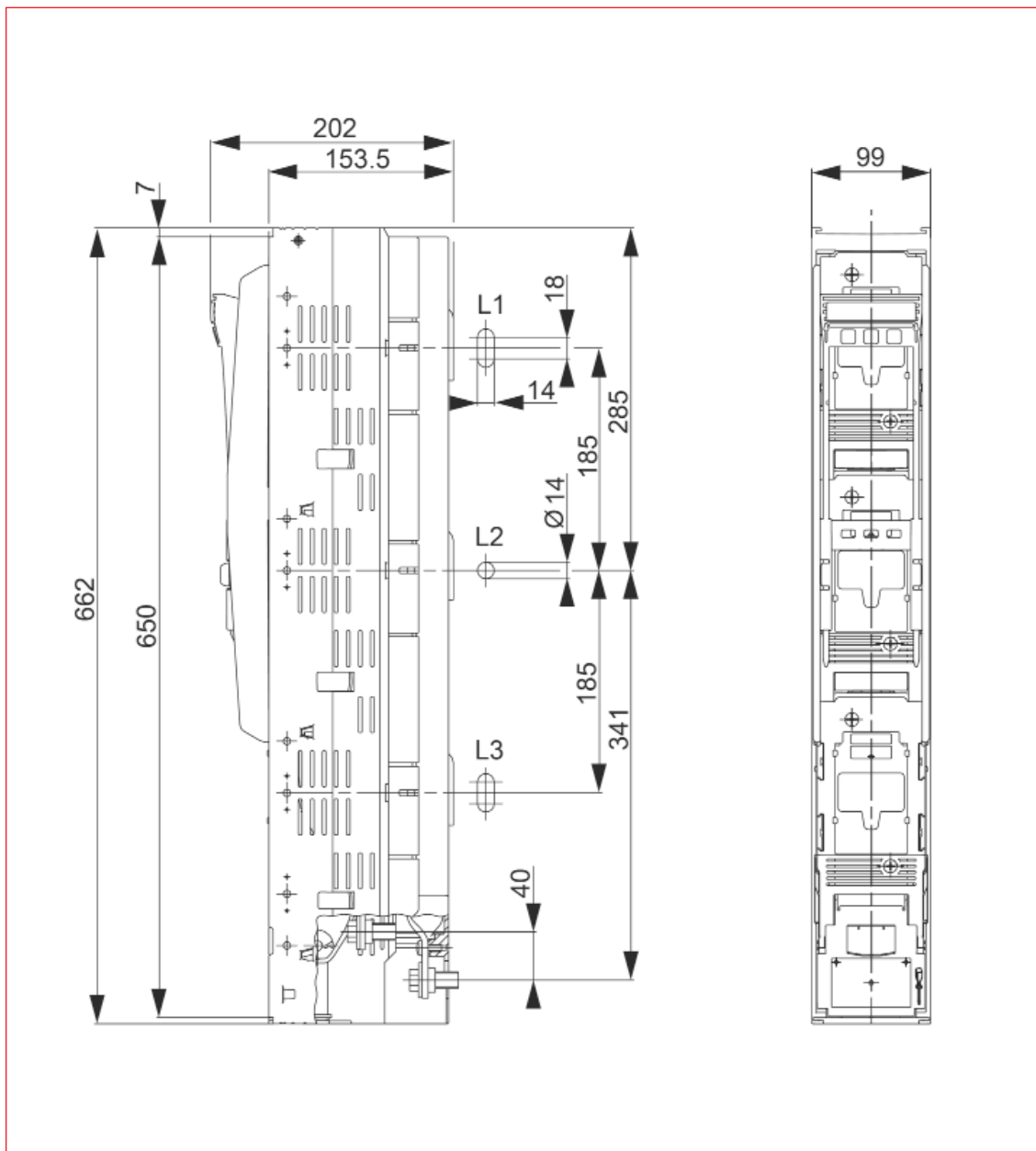
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

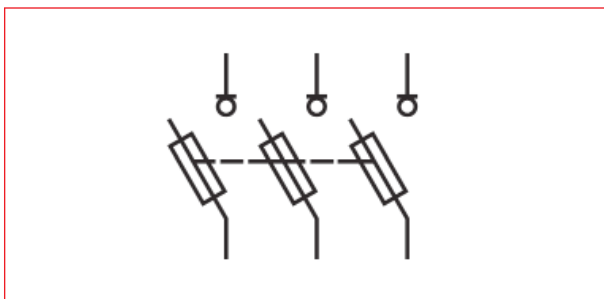
Size	NH1
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1
Rated operating voltage	690V
Rated operating current	250A
Current measurement	No
Conv. free air thermal current with fuse-links	250A
Conv. free air thermal current with solid links	400A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	23W
Utilisation category	AC-22B (250A/500V)
	AC-22B (250A/690V)
	AC-23B (250A/400V)
Rated conditional short-circuit current	120 (AC 500V)(kA)
Max. permissible power dissipation per fuse-link	32W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal ISA05305	Flat terminal M10
	Cable lug (DIN 46 235) 1 x 25-150mm ²
	Tightening torque 30-35Nm
Cable terminal ISA05305	V-box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ HRC-inline-fuse load-breaker size 1 (250A), for 185mm system, series ARROW II

■ ISA05305 Dimensions



■ ISA05305 / ISA05306 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10		ISA05305
Size 1, 3-pole, 250A, with V-terminal		ISA05306

■ HRC-inline-fuse load-breaker size 2 (400A), for 185mm system, series ARROW II



ISA05311

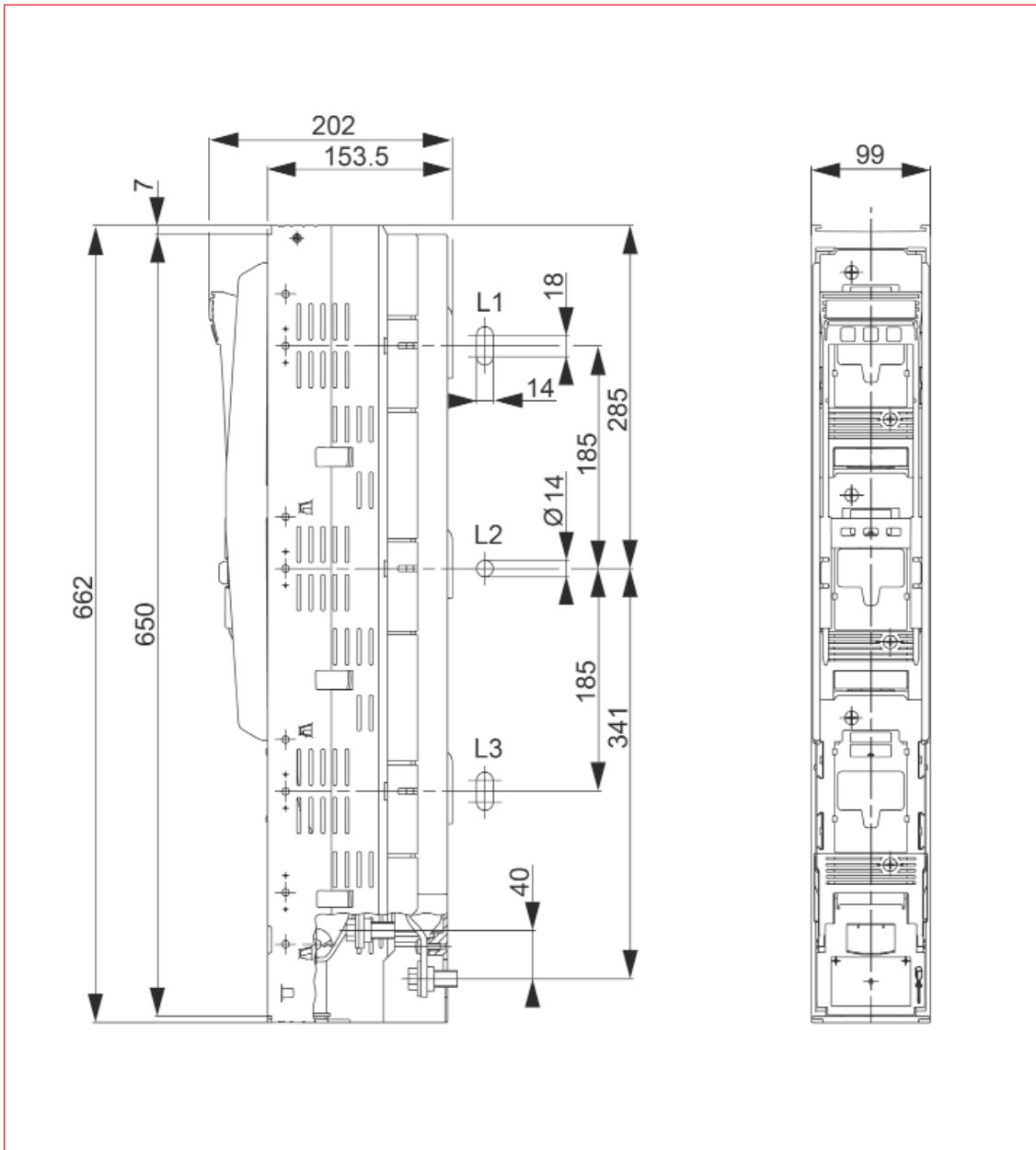
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

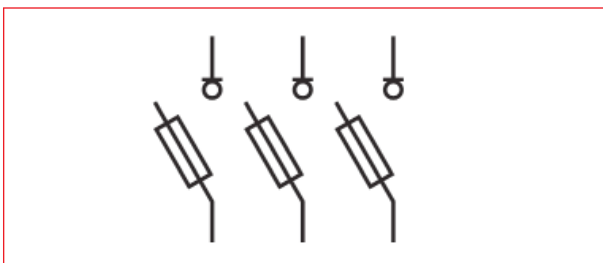
Size	NH2
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1 and NH2
Rated operating voltage	690V
Rated operating current	400A
Current measurement	No
Conv. free air thermal current with fuse-links	400A
Conv. free air thermal current with solid links	630A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	54W
Utilisation category	AC-21B (400A/690V)
	AC-22B (400A/500V)
	AC-23B (400A/400V)
Rated conditional short-circuit current	120kA (AC 500V)
Max. permissible power dissipation per fuse-link	45W
Ambient temperature	-25 up to +55°C
Ambient temperature	>35°C derating of rated current required
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP30
Cable terminal ISA05311	Flat terminal M12
	Cable lug (DIN 46 235) 1 x 25-240mm ²
	Tightening torque 30-35Nm
Cable terminal ISA05312	V-box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ HRC-inline-fuse load-breaker size 2 (400A), for 185mm system, series ARROW II

■ ISA05311 Dimensions



■ ISA05311 / ISA05312 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M12		ISA05311
Size 2, 3-pole, 400A, with V-terminal		ISA05312
ARROW LINE size 2, 3pole, 1 pol switchable, 185mm w. V-term.		ISA05352
HRC-in-line-fuse ARROW LINE size 2, 3pole, 185mm, M12		ISA05342

■ HRC-inline-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II



ISA05320

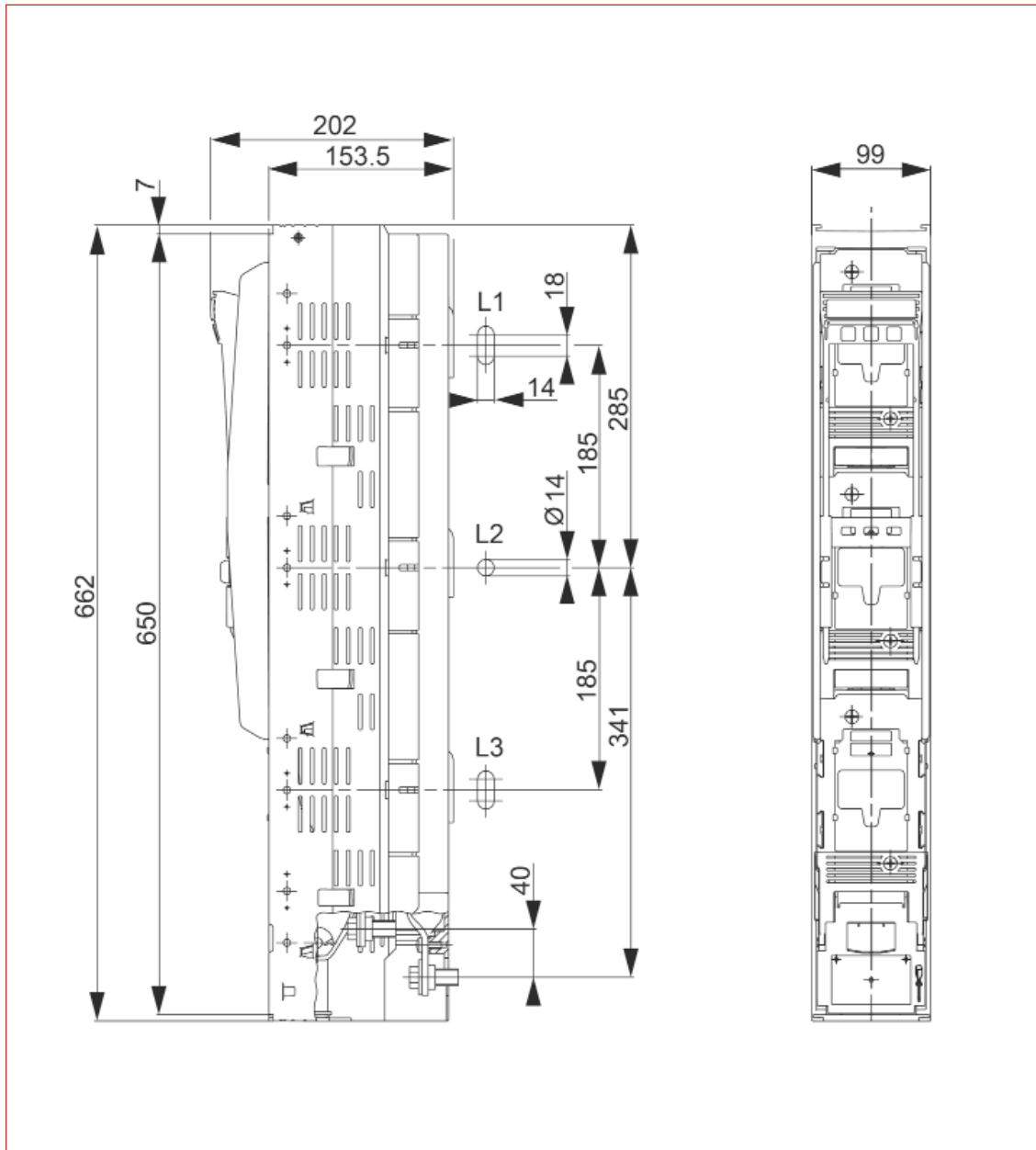
■ Schrack-Info

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

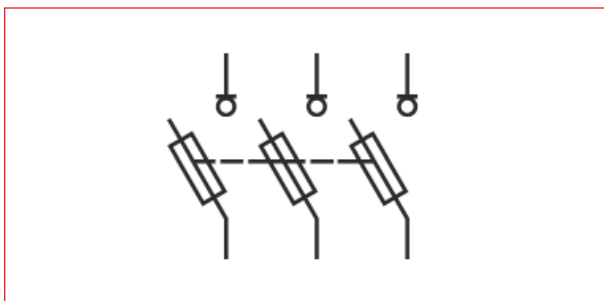
Size	NH3
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1, NH2 and NH3
Rated operating voltage	690V
Rated operating current	630A
Current measurement	No
Conv. free air thermal current with fuse-links	630A
Conv. free air thermal current with solid links	800A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	115W
Utilisation category	AC-21B (630A/690V)
	AC-22B (630A/500V)
	AC-23B (630A/400V)
Rated conditional short-circuit current	120kA (AC 500V)
Rated short-time withstand current	10kA
Max. permissible power dissipation per fuse-link	48W
Ambient temperature	-25 up to +55°C
Ambient temperature	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP30
Cable terminal ISA05320	Flat terminal M 12
	Cable lug (DIN 46 235) 1 x 25-300mm ² (max. 43mm width)
	Tightening torque 35-40Nm
Cable terminal ISA05321	V box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ HRC-inline-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II

■ ISA05320 Dimensions



■ ISA05320 / ISA05321 Wiring diagram

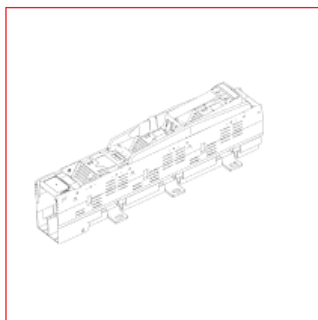


DESCRIPTION	AVAILABLE	ORDER NO.
Size3, 3-pole, 630A, M12		ISA05320
Size3, 3-pole, 630A, with V-terminal		ISA05321
HRC-in-line-fuse ARROW LINE size 3, 3pole, 185mm, M12		ISA05343



Order no. blue: on stock, usually ready for delivery on the day of order

■ HRC-connection-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II



ISA05331

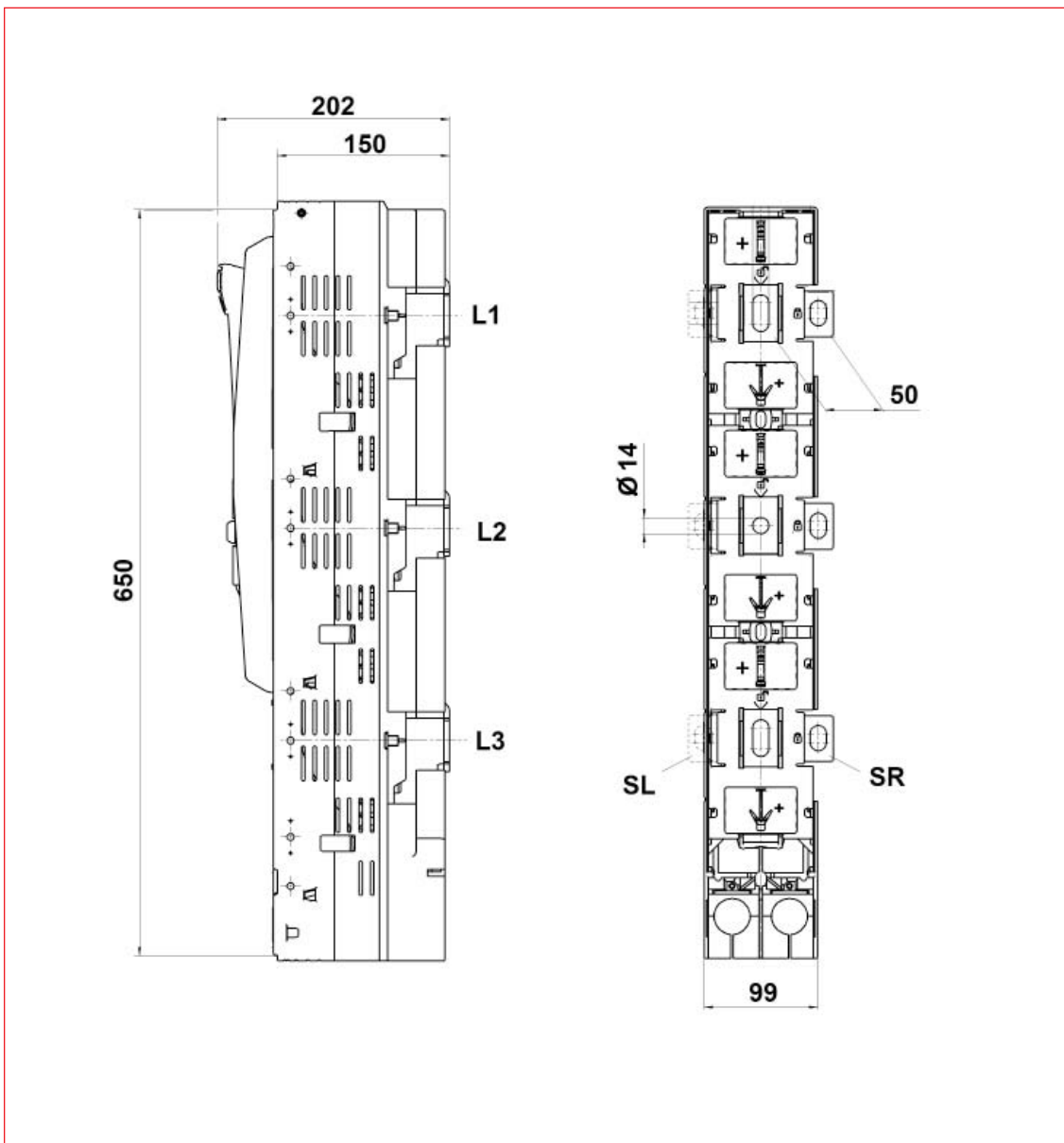
■ Schrack-Info

- Busbar coupler, Terminal at right or left side with screw M12
- With cable connection at bottom side, optional at top side
- Width 100mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact

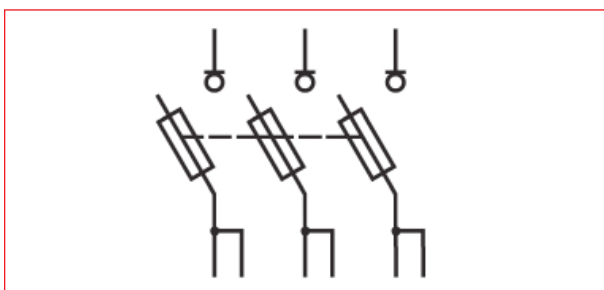
Size	NH3
Product Lifecycle	Active product
Standard	IEC/EN60947-3
Special features	Busbar coupler
	ISA05330: Terminal at left side with screw M12
	ISA05331: Terminal at right side with screw M12
Rated operating current	630A
Size	NH3
Busbar distance	185mm
Rated operating voltage	690V
Conv. free air thermal current with fuse-links	630A
Rated conditional short-circuit current	120 (AC 500V)kA
Conv. free air thermal current with solid links	800A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Utilisation category	AC-21B (630A/690V)
	AC-22B (630A/500V)
	AC-23B (630A/400V)
Max. permissible power dissipation per fuse-link	48W
Ambient temperature	-25 up to +55 (>35 derating of rated current required) °C
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Rated short-time withstand current	15kA
Applicable for fuse-links	
Cable terminal	busbar terminal M12 - busbar coupler
Degree of protection	IP30

■ HRC-connection-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II

■ ISA05330 / ISA05331 Dimensions



■ ISA05330 / ISA05331 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Input-HRC-in-line-fuse ARROW LINE size3, 3pole, 185mm, left		ISA05330
Input-HRC-in-line-fuse ARROW LINE size3, 3pole, 185mm, right		ISA05331



Busbar-system 60mm, series ARROW

Accessories for ARROW LINE series ARROW II



ISA05334







ISA05730



ISA05329

Schrack-Info

- Accessories for NH (HRC)-strip-type fuse-switch-disconnector, series ARROW II
- Fuse links and knife links are in the chapter accessories for NH (HRC) - material

DESCRIPTION	AVAILABLE	ORDER NO.
Terminals for drillingfree mounting Set with 3pcs.		ISA05333
Current transformer 150A for ARROW LINE with CT-mounting		ISA05345
Current transformer 400A for ARROW LINE with CT-mounting		ISA05347
Current transformer 600A for ARROW LINE with CT-mounting		ISA05348
V-double-clamp retrofit kit, size 1-3, 2 x 185 - 240mm ²		ISA05730
Adapterplate for L1 on ARROW LINE		ISA05729
Adjusting cover for ARROW II size 00 (1 pck = 2 pcs)		ISA05329
Cover cap for top or bottom terminal ARROW II 1-3		ISA05334

Copper-busbars



IS505068

Schrack-Info

- Bare copper-busbars with a length of 2000 mm
- Tinned busbars with a length of 2400 mm
- Cranked bare busbars

DESCRIPTION	AVAILABLE	ORDER NO.
20 x 5mm, 2m, bare, 274A (320A)		IS505068
30 x 5mm, 2m, bare, 379A (450A)		IS505069
30 x 10mm, 2m, bare, 573A (630A)		IS505087
3 x 10 mm, 1 m, bare, 146 A		IS505108
10 x 3 mm, 2 m, bare, 146 A		IS505119
20 x 3mm, 2m, bare, 204A		IS505900
40 x 10 mm, 2 m, bare, 715 A		IS505114
50 x 10 mm, 2 m, bare, 852 A		IS505115
60x10 mm, 2 m, bare 985 A		IS505116
80 x 10 mm, 2 m, bare, 1240 A		IS505117
100 x 10 mm, 2 m, bare, 1490 A		IS505121
30 x 5mm, cranked 26 mm (355+550 mm), bare, 379A		BS900198
Copper-busbar for HRC-Fuse 00, 30x5mm, length 1m		IS505113
Busbar support for 3 x 10 mm-busbar		IS505110
Clamping yokes for busbar BK10 BU		IK021139
Clamping yokes for busbar BK35 BU		IK021137
PEN-sticker		IS505020

T-profil-copper-busbars



SI012240

Schrack-Info

- T-profile-busbars allows a larger cross section of the copper bars in the 60mm busbar-system
- Tin-plated Cu busbars considerably reduce the effort of preparing the contact points. The Cu busbars are effectively protected against aggressive media.

DESCRIPTION	AVAILABLE	ORDER NO.
TT-busbar 1250A length 2,40m, bare		SI012500
TT-busbar 1250A length 2,40m, tinned		SI016090
TT-busbar 1250A length 3,60m, tinned		SI012240
TT-busbar 1250A length 3,60m, bare		SI012230
TT-busbar 1600A length 2,40m, bare		SI012490
TT-busbar 1600A length 2,40m, tinned		SI016080
TT-busbar 1600A length 3,60m, tinned		SI011900
TT-busbar 1600A length 3,60m, blank		SI012290
TT-busbar 1600A length 3,60m, tinned		SI011870
TTT-busbar 2500A length 3,60m, tinned		SI012270



Order no. blue: on stock, usually ready for delivery on the day of order

Flexible copper-busbars



SI011960

Schrack-Info

- Temperature resistance of insulation 105 °C
- Current data at 40 °C ambient temperature and heating of the conductor surface of 45 K
- Flexible and pliable
- Processing flexible copper saves approx. 25% conductor material and approx. 30% fastener material (e.g., 90° connections) compared to rigid copper

DESCRIPTION	AVAILABLE	ORDER NO.
240A, 2m, 6 x 9 x 0,8mm		SI011940
279A, 2m, 4 x 15,5 x 0,8mm		SI011960
360A, 2m, 3 x 20 x 1mm		SI010270
470A, 2m, 10 x 15,5 x 0,8mm		SI015830
462A, 2m, 6 x 20 x 1mm		SI010280
514A, 2m, 5 x 24 x 1mm		SI016110
617A, 2m, 5 x 32 x 1mm		SI016120
640A, 2m, 10 x 20 x 1mm		SI010290
760A, 2m, 5 x 40 x 1mm		SI016140
727A, 2m, 10x24x1mm		SI011840
930A, 2m, 5 x 50 x 1mm		SI010600
894A, 2m, 10 x 32 x 1mm		SI016130
1053A, 2m, 10 x 40 x 1mm		SI016150
1244A, 2m, 10 x 50 x 1mm		SI015090
1481A, 2m, 10 x 63 x 1mm		SI015100
1777A, 2m, 10 x 80 x 1mm		SI010610
1985A, 2m, 10 x 100 x 1mm		SI012730
Holder for flexible copper		SI013030

Insulators with female thread



SI057800

Schrack-Info

- Temperature-resistant 250 °C
- Self-extinguishing according to UL 94
- Leakage current resistance CTI 600

Type:	SI057790	SI057800	SI057920	SI057820	SI057860	SI057900	SI057880
Thread:	female thread at both sides						
Thread size:	M6	M6	M8	M8	M8	M8	M10
Deep of thread:	5 mm	6 mm	8 mm	10 mm	10 mm	10 mm	14 mm
Length:	20 mm	30 mm	35 mm				
Across flats:	17	30	30	32	46	36	36
Standard:	IEC 61439-1						
Rated voltage (IEC) AC:	600V	1500 V	1500 V	1500 V	2000 V	2000 V	2000 V
Rated voltage (IEC) DC:	600 V	1500 V	1500 V	1500 V	2000 V	2000 V	2000 V
Max. permitted voltage (IEC) AC:	600 V	1500 V	1500 V	1500 V	2000 V	2000 V	2000 V
Max. permitted voltage (IEC) DC:	600 V	1500 V	1500 V	1500 V	2000 V	2000 V	2000 V

DESCRIPTION	AVAILABLE	ORDER NO.
M6 x 20mm, with female thread, both sides, 0,6kV		SI057790
M6 x 30mm, with female thread, both sides, 1,5kV		SI057800
M8 x 30mm, with female thread, both sides, 1,5kV		SI057920
M8 x 35mm, with female thread, both sides, 1,5kV		SI057820
M8 x 40mm, with female thread, both sides, 2kV		SI057830
M8 x 45mm, with female thread, both sides, 2kV		SI057860
M8 x 50mm, with female thread, both sides, 2kV		SI057900
M10 x 50mm, with female thread, both sides, 2kV		SI057880

Insulators with female thread and threaded bolt



SI058010

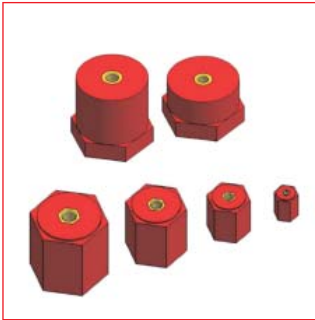
Schrack-Info

- Temperature-resistant 250 °C
- Self-extinguishing according to UL 94
- Leakage current resistance CTI 600

Type:	SI058000	SI058010	SI058020
Thread:	with female thread and threaded bolt		
Thread size:	M6	M6	M8
Length of bolt:	6 mm	8 mm	10 mm
Deep of thread:	6 mm	8 mm	10 mm
Length:	30 mm	35 mm	35 mm
Across flats:	30	32	32
Standard:	IEC 61439-1		
Rated voltage (IEC) AC:	750 V	750 V	750 V
Rated voltage (IEC) DC:	750 V	750 V	750 V
Max. permitted voltage (IEC) AC:	750 V	750 V	750 V
Max. permitted voltage (IEC) DC:	750 V	750 V	750 V

DESCRIPTION	AVAILABLE	ORDER NO.
M6 x 30mm, with female thread and threaded bolt, 0,75kV		SI058000
M6 x 35mm, with female thread and threaded bolt, 0,75kV		SI058010
M8 x 35mm, with female thread and threaded bolt, 0,75kV		SI058020

Insulators up to 1 kV



RH & HH

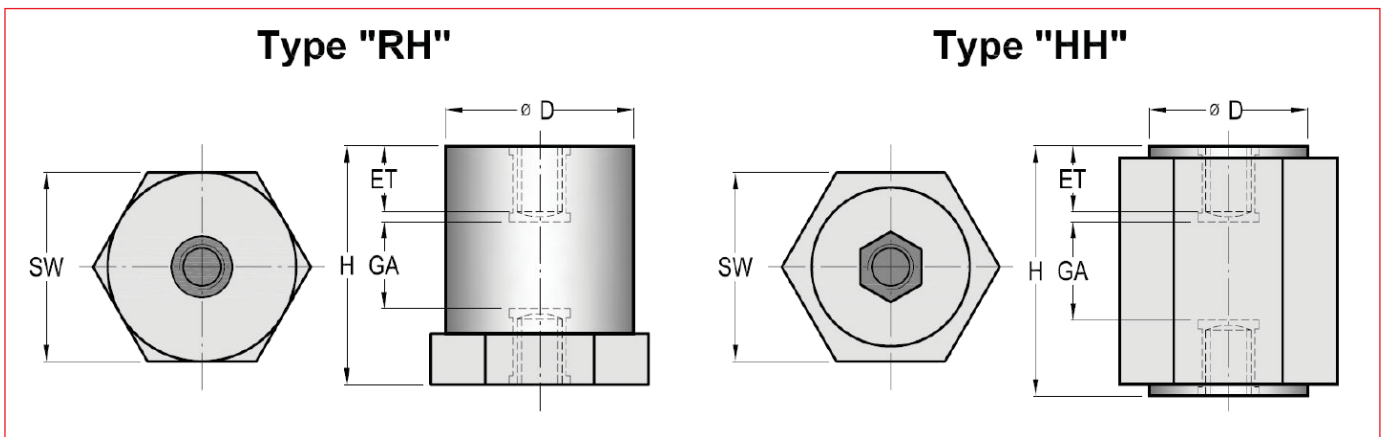


IK011031-A

Schrack-Info

- Nominal voltage until 1000V AC at overvoltage categories I-IV (IEC 60038), surge voltage resistance >12kV (IEC 61180-1:1994-09)
- Heat-stabilized, glass-fibre reinforced polyester
- Resistant to heat aging, mildew, termites, oil, grease, petrol, alcohol, UV light and tropical climate
- Halogen-free (no corrosive, toxic gases released in the event of fire)
- Fire classification V-0 according to UL 94
- Maximum tightening torque: 20 / 40 / 60 / 80Nm
- Tensile forces greater than 6000 / 7000 / 10000 / 15000N
- Complies with CTI 600 (EN 60112:2003-03)
- Resistant to leakage current
- Cold impact-resistant, high break, tensile and compressive forces
- HH type throughout hexagonal, RH type with hexagonal flange

Dimensioned drawing



Description	Article number	Dimensions [mm]					Inside thread	Bending strength [N]	Traction [N]	Max. torques [Nm]	Weight [g]
		H	SW	ET	D	GA					
35 HH 630	IK011035-A	30	35	8	32	10	M6	4300	> 6000	20	66
35 HH 640	IK011030-A	40	35	12	32	12	M6	3500	> 6000	20	82
35 HH 840	IK011032-A	40	35	14	32	8	M8	4000	> 7000	40	87
35 HH 850	IK011036-A	50	35	16	32	14	M8	3500	> 7000	40	109
45 HH 1040	IK011031-A	40	45	14	42	8	M10	8000	> 10000	60	140
45 HH 1060	IK011037-A	60	45	20	42	16	M10	6000	> 10000	60	209
60 RH 1060	IK011038-A	60	60	20	60	16	M10	11000	> 15000	60	330
60 RH 1250	IK011033-A	50	60	15	60	16	M12	12000	> 15000	80	287
60 RH 1280	IK011039-A	80	60	25	60	26	M12	10000	> 15000	80	450

DESCRIPTION	AVAILABLE	ORDER NO.
2xM6, upheaval 4.5kN (Type HH)		IK011035-A
2xM6, upheaval 3.5kN (Type HH)		IK011030-A
2xM8, upheaval 4kN (Type HH)		IK011032-A
2xM8, upheaval 3.5kN (Type HH)		IK011036-A
2xM10, upheaval 8kN (Type HH)		IK011031-A
2xM10, upheaval 6kN (Type HH)		IK011037-A
2xM10, upheaval 11kN (Type RH)		IK011038-A
2xM12, upheaval 12kN (Type RH)		IK011033-A
2xM12, upheaval 10kN (Type RH)		IK011039-A

■ Fuse loadbreaker-disconnector 10 x 38 mm



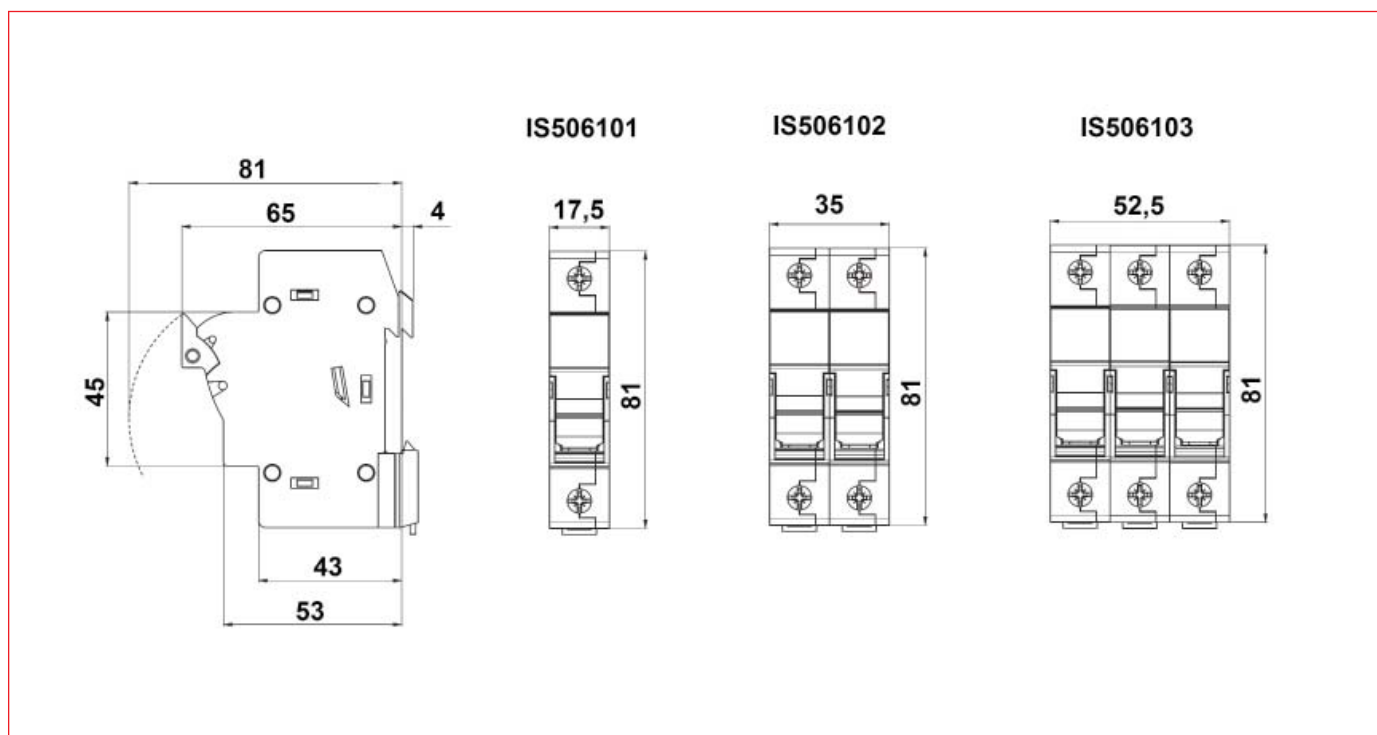
IS506103

■ Schrack-Info

- All contact surfaces are silver plated
- Changing of a fuse-link without danger of direct touch of parts under voltage
- More space for finger to open fuse carrier
- Complete protection against touch according to IP20
- Possibility of sealing in ON or OFF positions

Fuse type:	10 x 38
Number of poles:	1-pole, 2-pole, 3-pole, 1+N, 3+N
Rated operational current I _n :	32A
Rated operational voltage U _n :	690 V-AC
Standards:	fuse disconnectors: IEC 60947-1 fuse holder: IEC 60947-3 fuse links: IEC/EN 60269-2
Maximum rated current of fuselinks:	400 V-AC: 32A gG 500 V-AC: 25A gG, 16A aM 690 V-AC: 10A gG
Rated frequency:	50 Hz
Rated conditional short-circuit-current:	100 kA/ 400V
Rated insulation voltage U _i :	690 V
Rated imp. withstand voltage U _{imp} :	8 kV
Overtoltage category (according to Table H.1 in IEC 60947-1 and according to IEC 60099-1):	III
Max power dissipation of the fuse-link (W):	gG: 3 W aM: 1,2 W
LED Indicator operating range:	50-690 V-AC
Utilisation category:	AC-22B
Operational performance (cycles with current):	300
Operational performance (cycles without current):	1700
Operating ambient temperature:	-5°C up to +40°C
Store ambient temperature:	-25°C up to +55°C
Degree of protection (IEC 60529):	IP20
Terminal capacity:	1-25 mm ² rigid or flexible
Torque:	2 Nm

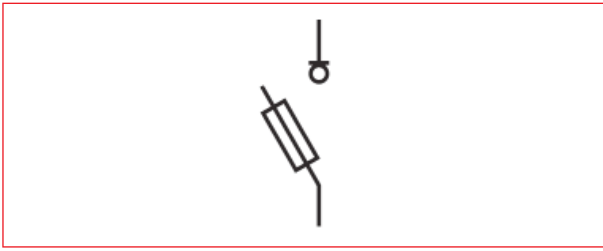
■ IS506101, IS506102, IS506103 Dimensions



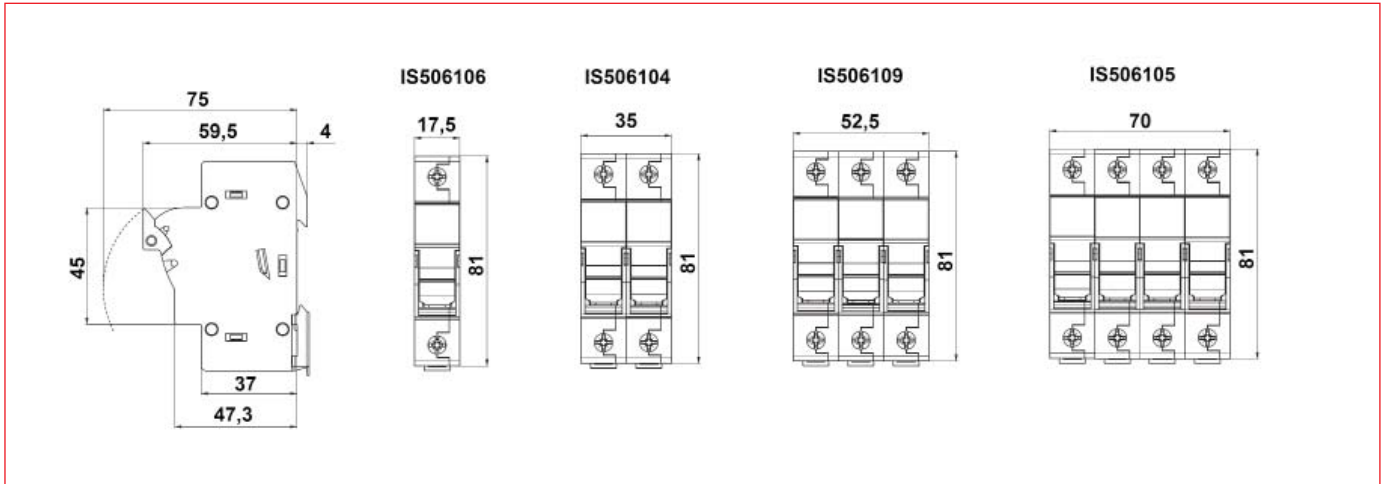
Cylindrical fuses, series SCHRACK

■ Fuse loadbreaker-disconnector 10 x 38 mm

■ IS506101 Wiring diagram



■ IS506104, IS506105, IS506106, IS506109 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
1 pole, 10 x 38, 32A gG		IS506101
1 pole + N, 10 x 38, 32A gG		IS506104
2 pole, 10 x 38, 32A gG		IS506102
3 pole, 10 x 38, 32A gG		IS506103
3 pole + N, 10 x 38, 32A gG		IS506105
1 pole, 10 x 38, 32A gG, with LED		IS506106
3 pole, 10 x 38, 32A gG, with LED		IS506109

■ Fuse carrier 10 x 38 mm for photovoltaic



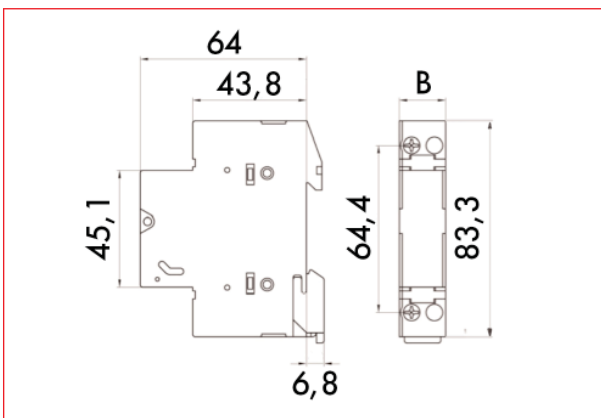
IS506122

■ Schrack-Info

- For the protection of PV modules
- DC rated voltage is 1.2 x the open-circuit voltage of the photovoltaic path
- The rated current of the fuse should be greater than/equal 1.5x the short-circuit current of the photovoltaic module

No. of poles:	1, 2
Rated current I_n :	20 A
Rated operating voltage U_n :	1000 V-DC
Breaking capacity:	20B
Own consumption:	3 W
Fuse size:	10 x 38
Fuse standard:	IEC 60269, UL284-4
Disconnecter standard:	IEC 60947-1 Ed. 4.0 EN 60947-1:1999+A1+A2 IEC 60947-3 Ed. 2.1 EN 60947-3:1999+A1:2001
Terminal cross-section:	0,5 mm ² – 10 mm ² , AWG 8-20 solid

■ Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
PV 1pole, 10 x 38		IS506121
PV 2pole, 10 x 38		IS506122



Cylindrical fuses, series SCHRACK

■ Fuse loadbreaker-disconnector 14 x 51 mm



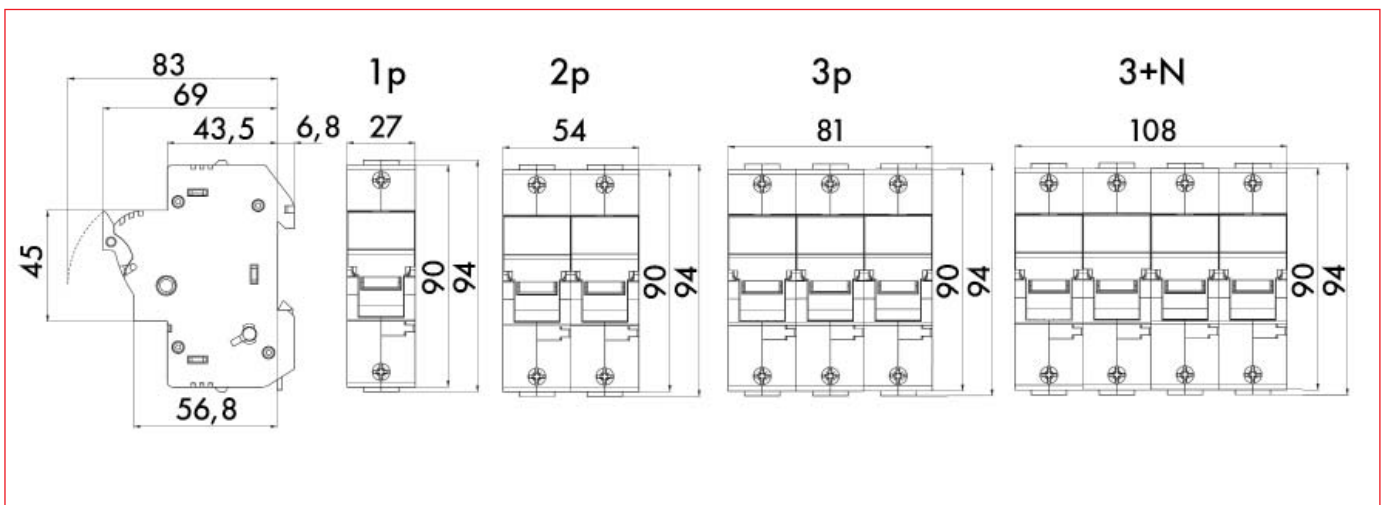
IS506143

■ Schrack-Info

- All contact surfaces are silver plated
- Changing of a fuse-link without danger of direct touch of parts under voltage
- More space for finger to open fuse carrier
- Complete protection against touch according to IP20
- Possibility of sealing in ON or OFF positions

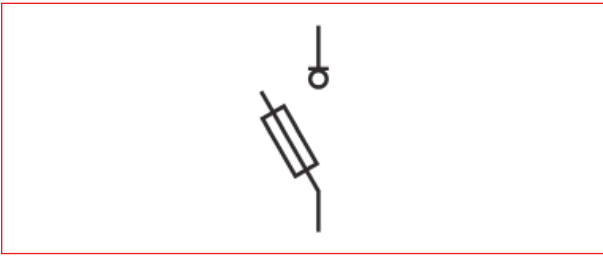
Fuse type:	14 x 51
Number of poles:	1-pole, 2-pole, 3-pole, 3+N
Rated operational current I_n :	50A
Rated operational voltage U_n :	690 V-AC
Standards:	fuse disconnectors: IEC 60947-1 fuse holder: IEC 60947-3 fuse links: IEC/EN 60269-2
Maximum rated current of fuselinks:	400 V-AC: 50A gG, 50A aM 500 V-AC: 50A gG 690 V-AC: 25A gG, 25A aM
Rated frequency:	50 Hz
Rated conditional short-circuit-current:	gG: 120 kA/ 500V (50A gG) aM: 50 kA/ 400V (50A aM)
Rated insulation voltage U_i :	690 V
Rated imp. withstand voltage U_{imp} :	8 kV
Overvoltage category (according to Table H.1 in IEC 60947-1 and according to IEC 60099-1):	III
Max power dissipation of the fuse-link (W):	gG: 5 W aM: 3 W
LED Indicator operating range:	50-690 V-AC
Utilisation category:	AC-22B at 690 V/ 50 A
Operational performance (cycles with current):	300
Operational performance (cycles without current):	1700
Operating ambient temperature:	-5°C up to +40°C
Store ambient temperature:	-25°C up to +55°C
Degree of protection (IEC 60529):	IP20
Terminal capacity:	1-35 mm ² rigid or flexible
Torque:	2,5-3 Nm





■ 14 x 51 Dimensions



▀ Fuse loadbreaker-disconnector 14 x 51 mm

▀ IS506141 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
1 pole, 14 x 51, 50A gG		IS506141
2 pole, 14 x 51, 50A gG		IS506142
3 pole, 14 x 51, 50A gG		IS506143
3 pole+N, 14 x 51, 50A gG		IS506145
3 pole, 14 x 51, 50A gG, with LED		IS506149



■ Fuse loadbreaker-disconnector 22 x 58 mm



IS506223

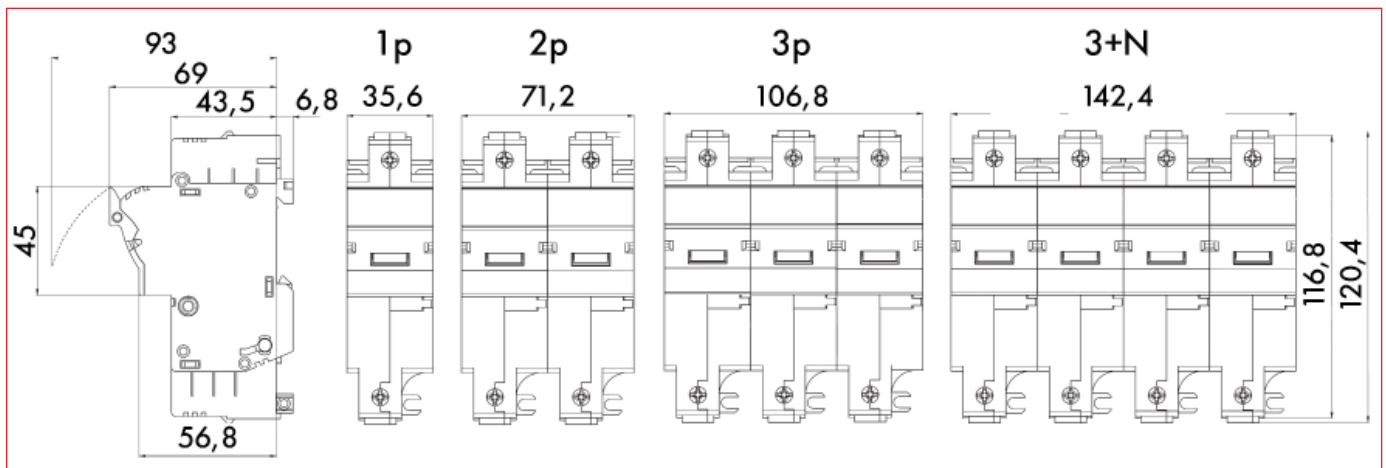
■ Schrack-Info

- All contact surfaces are silver plated
- Changing of a fuse-link without danger of direct touch of parts under voltage
- More space for finger to open fuse carrier
- Complete protection against touch according to IP20
- Possibility of sealing in ON or OFF positions

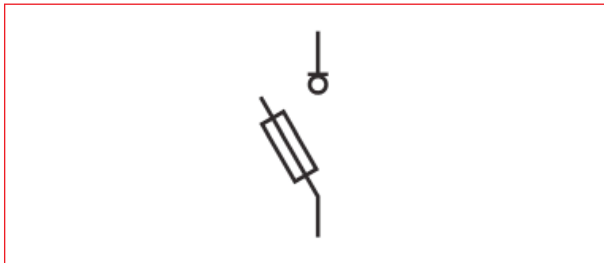
Fuse type:	22 x 58
Number of poles:	1-pole, 2-pole, 3-pole, 3+N
Rated operational current I _n :	100A
Rated operational voltage U _e :	690 V-AC
Standards:	fuse disconnectors: IEC 60947-1 fuse holder: IEC 60947-3 fuse links: IEC/EN 60269-2
Maximum rated current of fuselinks:	400 V-AC: 100A gG, 100A aM 500 V-AC: 100A gG 690 V-AC: 50A gG, 50A aM
Rated frequency:	50 Hz
Rated conditional short-circuit-current:	gG: 120 kA/ 500V (100A gG) aM: 50 kA/ 400V (100A aM)
Rated insulation voltage U _i :	690 V
Rated imp. withstand voltage U _{imp} :	8 kV
Overvoltage category (according to Table H.1 in IEC 60947-1 and according to IEC 60099-1):	III
Max power dissipation of the fuse-link (W):	gG: 9,5 W aM: 7 W
LED Indicator operating range:	50-690 V-AC
Utilisation category:	AC-21B at 690 V/ 100 A
Operational performance (cycles with current):	300
Operational performance (cycles without current):	1700
Operating ambient temperature:	-5°C up to +40°C
Store ambient temperature:	-25°C up to +55°C
Degree of protection (IEC 60529):	IP20
Terminal capacity:	4-50 mm ² rigid or flexible
Torque:	3 Nm





■ Fuse loadbreaker-disconnector 22 x 58 mm

■ 14 x 51 Dimensions



■ IS506221 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
1 pole, 22 x 58, 100A gG		IS506221
2 pole, 22 x 58, 100A gG		IS506222
3 pole, 22 x 58, 100A gG		IS506223
3 pole+N, 22 x 58, 100A gG		IS506225
3 pole with LED ,22 x 58		IS506230



Cylindrical fuses, series SCHRACK

■ Fuse-load-breaker-strip 10 x 38 mm for 60mm system, series SCHRACK

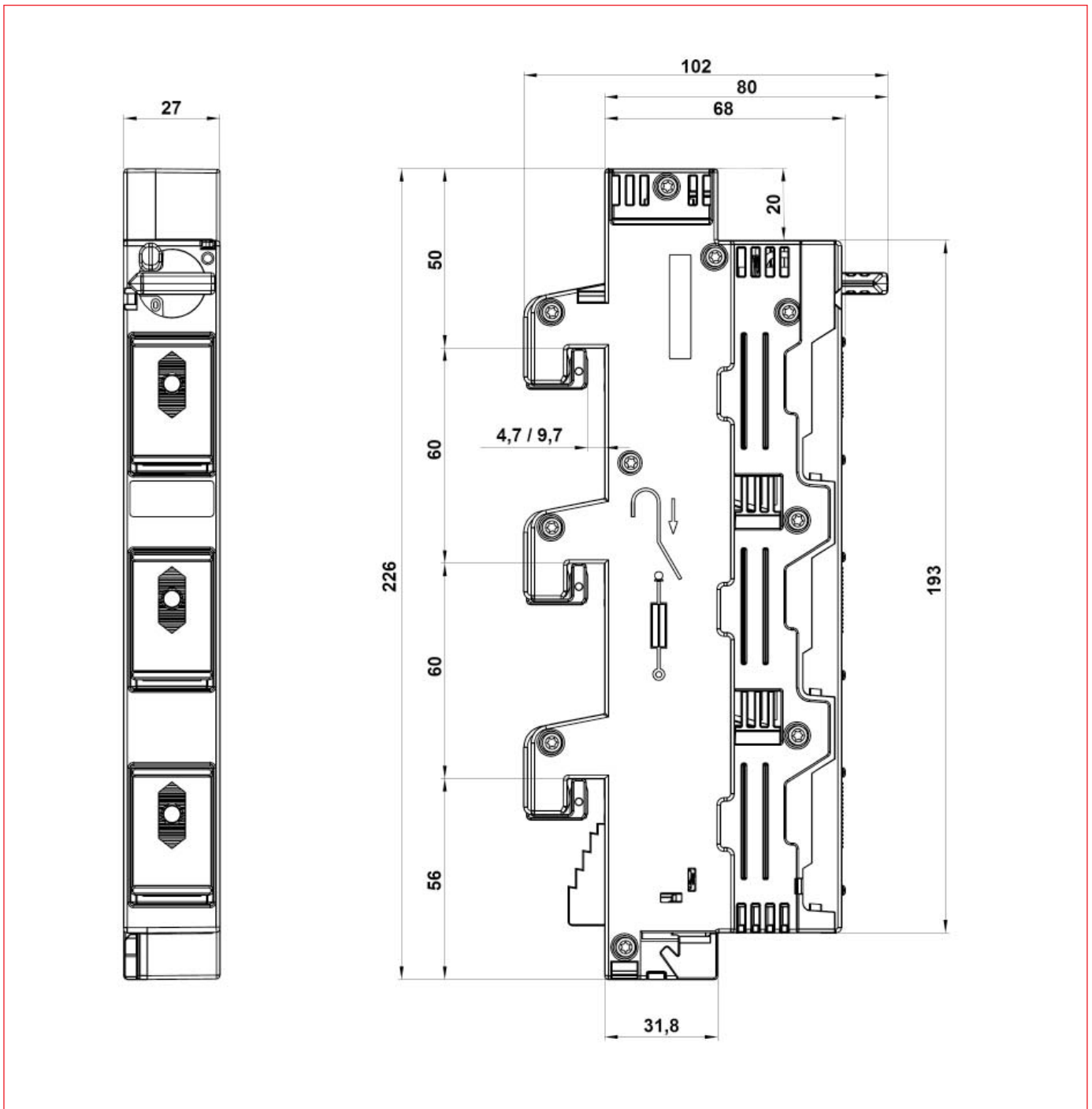


IS504851

■ Schrack-Info

- Including fuse-plug with flashing indicator
- Including plug retaining spring for cylindrical fuses 10x38 mm
- Removable fuse-plug reliable fuse-blown indication
- Securing against restarting sealable
- 27mm wide

■ IS504851 Dimensions



DESCRIPTION

63A, 3-pole

63A, 3pole+N

AVAILABLE



ORDER NO.

IS504851

IS504852



■ Fuse-holder for cylindrical-fuses series Wöhner



SI311130

■ Schrack-Info

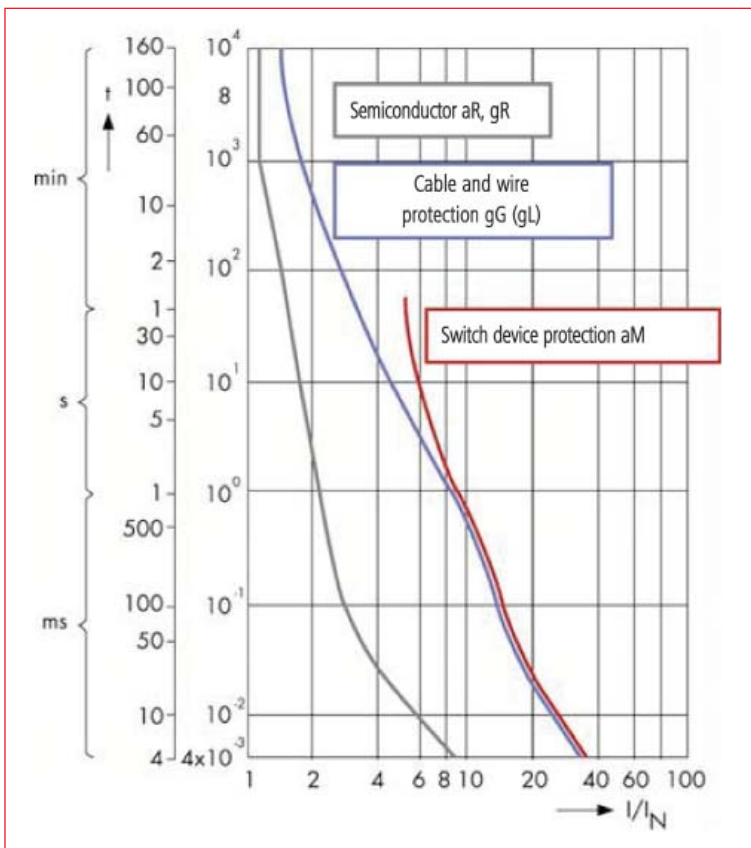
- AMBUS®Panel – fuse-base for cylindrical fuses
- Types for characteristic gG and for semiconductors characteristic gR
- For DIN-Rail-mounting
- Wide terminal cross section

Fuse type:	10x38 gG	10x38 gR	14 x 51 - gG	14 x 51 - gR	22 x 58 - gG	22 x 58 - gR
Rated current (IEC):	32 A	32 A	50 A	50 A	100 A	100 A
Rated voltage (IEC) AC:	690 V	690 V	690 V	690 V	690 V	690 V
Category of use AC:	AC-22B (400V)	AC-22B (400V)	-	-	-	-
Rated isolation voltage U _i (AC):	800 V	800 V	800 V	800 V	800 V	800 V
Rated surge voltage U _{imp} :	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV
Max. permitted voltage (IEC) AC:	800 V	800 V	800 V	800 V	800 V	800 V
Cond. rated short-circuit Current with fuses:	100 kA / 400 V (32A) 100 kA / 500 V (25A)	100 kA / 400 V (32A) 100 kA / 500 V (25A)	100 kA / 400 V	100 kA / 400 V	80 kA / 690 V 100 kA / 500 V	80 kA / 690 V 100 kA / 500 V
Approved with fuse links of characteristics:	gG	gG	gG	gG	gG	gG
SCCR:	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
For fuse links as per IEC / EN 60269-2	with permitted rated power dissipations up to max. 3W for gG/gL up to max. 1.2W for aM	with permitted rated power dissipations up to max. 3W for gG/gL up to max. 1.2W for aM up to max. 4.3W for aR/gR	up to max. 5W for gG/gL up to max. 3W for aM		with permitted rated power dissipations up to max. 9.5W for gG/gL up to max. 7W for aM	with permitted rated power dissipations up to max. 9.5W for gG/gL max. 7W for aM for fuse links aR / gR / gRL under operating conditions up to max. 11W, for which at least 50mm ² leads must be connected
Degree of protection:	IP20	IP20	IP20	IP20	IP20	IP20
Terminal points box terminal:	1 wire: Cu 0,75 - 25 mm ² 2 wires (of same cross-section): Cu 0,75 - 10 mm ² flexible cables, directly or with wire-end ferrule (flexible cables of maximum cross-section may not fit when using wire-end ferrule)	1 wire: Cu 0,75 - 25 mm ² 2 wires (of same cross-section): Cu 0,75 - 10 mm ²	1,5 - 35 mm ² / AWG 14 - AWG 2	1,5 - 35 mm ² / AWG 14 - AWG 2	4 - 50 mm ² / AWG 10 - AWG 1/0	4 - 50 mm ² / AWG 10 - AWG 1/0
Torque:	Md 2,0 - 2,5 Nm / 18 - 22 lb.in.	Md 2,0 - 2,5 Nm / 18 - 22 lb.in.	Md 2,5 - 3,0 Nm / 22 - 26 lb.in.	Md 2,5 - 3,0 Nm / 22 - 26 lb.in.	Md 3,5 - 4,0 Nm / 31 - 35 lb.in.	Md 3,5 - 4,0 Nm / 31 - 35 lb.in.

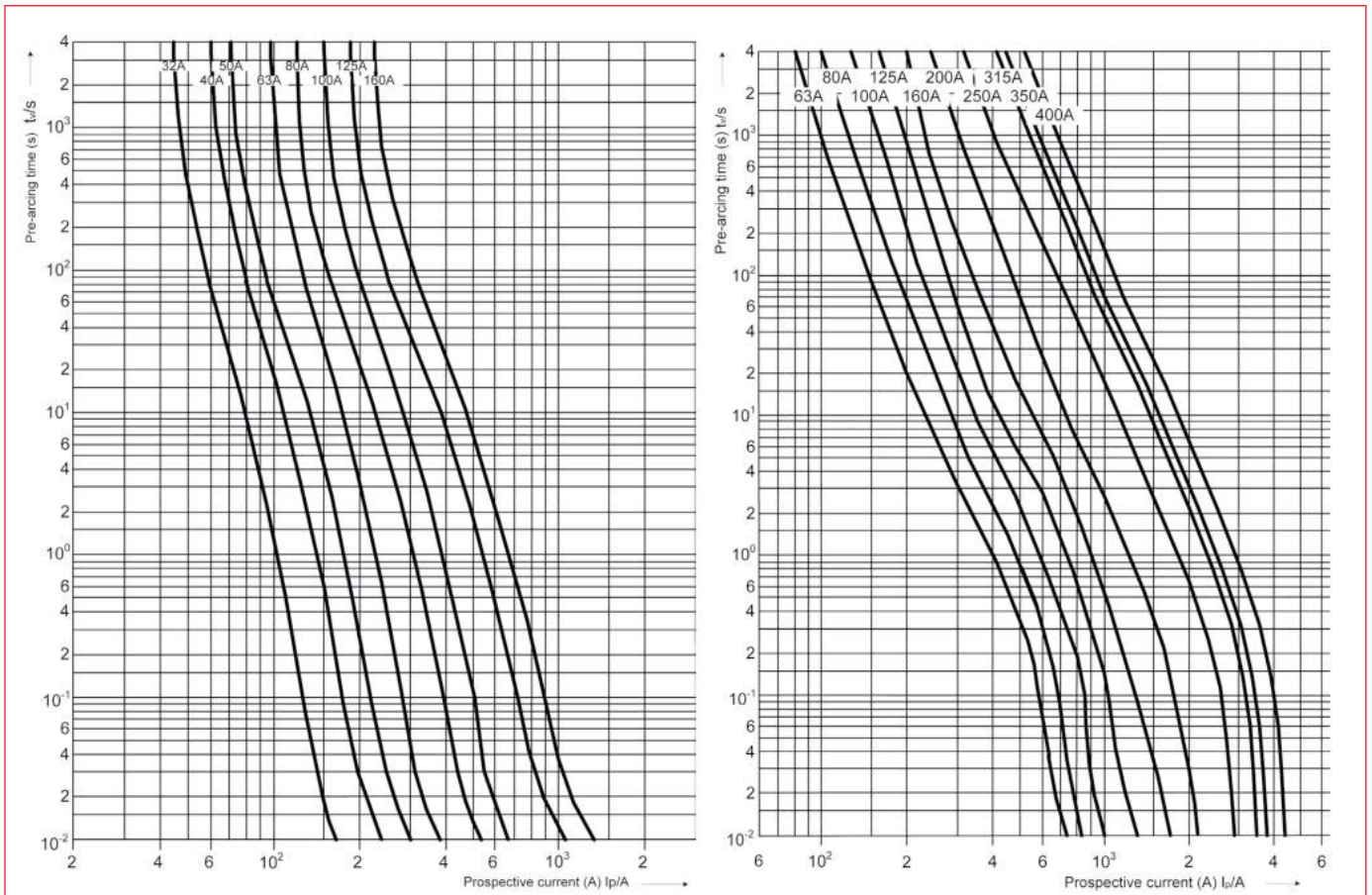
Cylindrical fuses, series Wöhner

■ Fuse-holder for cylindrical-fuses series Wöhner

■ Characteristics

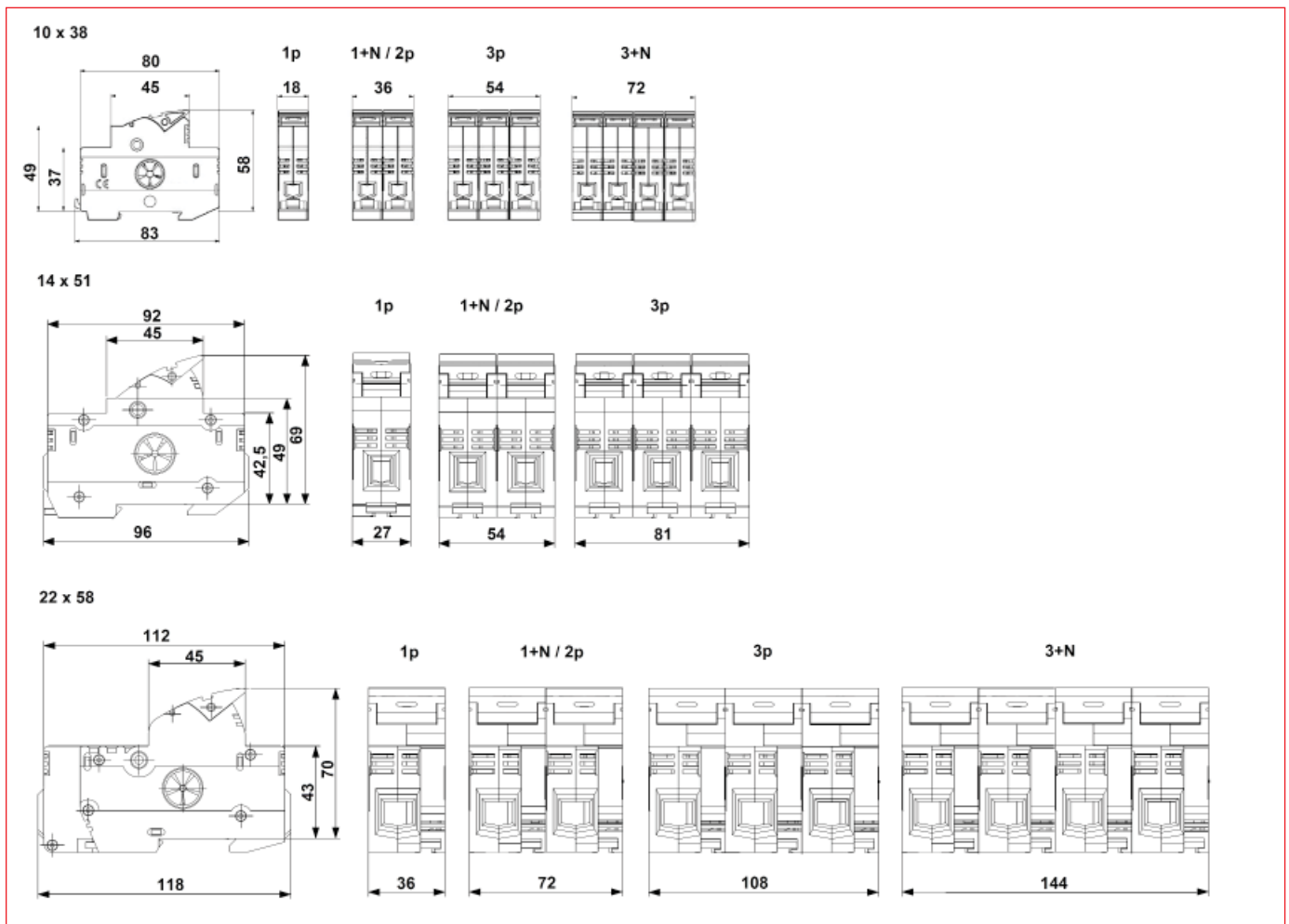


■ Characteristic gG









Fuse-holder for cylindrical-fuses series Wöhner

Dimensions



Cylindrical fuses, series Wöhner

Fuse-holder for cylindrical-fuses series Wöhner

DESCRIPTION	AVAILABLE	ORDER NO.
10 x 38		
1-pole, 10 x 38, 32A gG, 690V		SI311100
1-pole, 10 x 38, 32A gG, 690V, mit LED		SI311300
1-pole, 10 x 38, 32A gR, 690V		SI312750
1-pole + N, 10 x 38, 32A gG, 690V		SI311110
2-pole, 10 x 38, 32A gR, 690V		SI312760
2-pole, 10 x 38, 32A gG, 690V		SI311120
3-pole, 10 x 38, 32A gR, 690V		SI312770
3-pole, 10 x 38, 32A gG, 690V		SI311130
3-pole + N, 10 x 38, 32A gG, 690V		SI311140
14 x 51		
1-pole, 14 x 51, 50A gR, 690V		SI312780
1-pole, 14 x 51, 50A gG, 690V		SI311150
1-pole + N, 14 x 51, 50A gG, 690V		SI311160
2-pole, 14 x 51, 50A gR, 690V		SI312790
3-pole, 14 x 51, 50A gR, 690V		SI312800
3-pole, 14 x 51, 50A gG, 690V		SI311180
22 x 58		
1-pole, 22 x 58, 125A gR, 690V		SI312810
1-pole, 22 x 58, 125A gG, 690V		SI311200
2-pole, 22 x 58, 125A gR, 690V		SI312820
3-pole, 22 x 58, 100A gR, 690V		SI312830
1-pole, 10 x 38, 32A gG, 690V, mit LED		SI311300
3-pole, 22 x 58, 100A gG, 690V		SI311230
3-pole + N, 22 x 58, 125A gG, 690V		SI311240
Class CC		
Class CC, 3-pole, 30A, 600V		SI312970
Busbar for 10 x 38		
1-pole, bridge type 80A, pitch 27mm, 1m long		SI311010
3-pole, bridge type 80A, pitch 27mm, 1m long		SI311020
Connection terminal 16 mm ² , front for SI311010, SI311020		SI311570

Fuse-base 10 x 38 mm for photovoltaic, series Wöhner



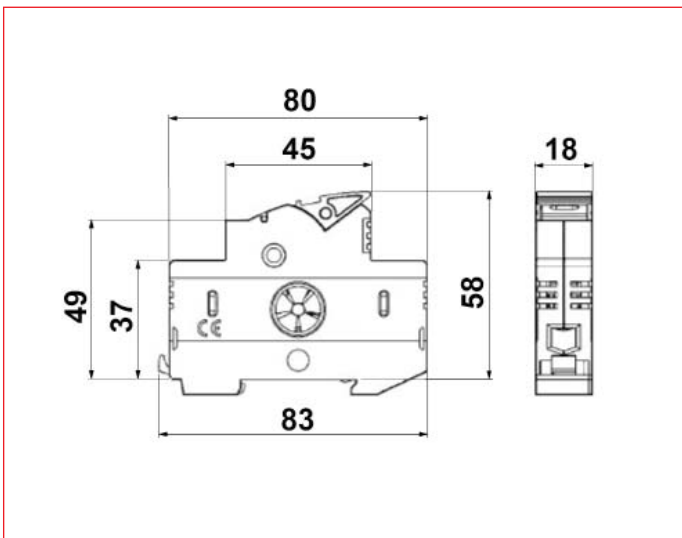
SI319710


Schrack-Info

- AMBUS®Panel – fuse-base for 10 x 38 cylindrical PV-fuses up to 1000 V - DC
- For characteristic gPV
- For DIN-Rail-mounting
- Wide terminal cross section

Fuse-type:	10 x 38, characteristic gPV
Rated current (IEC):	30 A
Poles:	1-pole
Rated voltage (IEC) DC:	1000 V
Power dissipation:	0,3 W (without fuse)
Rated isolation voltage U_i (AC):	1000 V
Rated surge voltage U_{imp} :	6 kV
Max. permitted voltage (IEC) DC:	1000 V
Cond. rated short-circuit current with fuses:	20 kA / 1000V
Approved with fuse links of characteristics:	gPV
SCCR:	33 kA
	for fuse links as per IEC 60269-6 with power dissipations up to max. 4W use of fuse links with silver plated caps is recommended
Degree of protection:	IP20
Terminal points box terminal:	1 wire: Cu 0,75 - 25 mm ² 2 wires (of same cross-section): Cu 0,75 - 10 mm ² flexible cables, directly or with wire-end ferrule (flexible cables of max. cross-section may not fit when using wire-end ferrule)
Torque:	Md 2,0 - 2,5 Nm / 18 - 22 lb.in.

SI319710 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
Holder for cylindrical fuses 10 x 38, 1-pole, 1000VDC		SI319710
Holder for cylindrical fuses 10 x 38, 1-pole, 1000VDC w. LED		SI319730

Cylindrical fuse links

▀ Cylindrical fuse link 8 x 31 mm characteristic gG



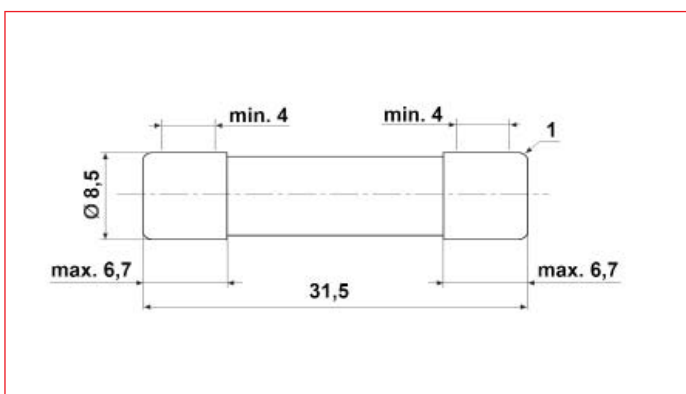
▀ Schrack-Info

- Cylindrical fuses according to IEC- standard sizes 8 x 31 mm
- Contacts silver-galvanized

ISZ08012

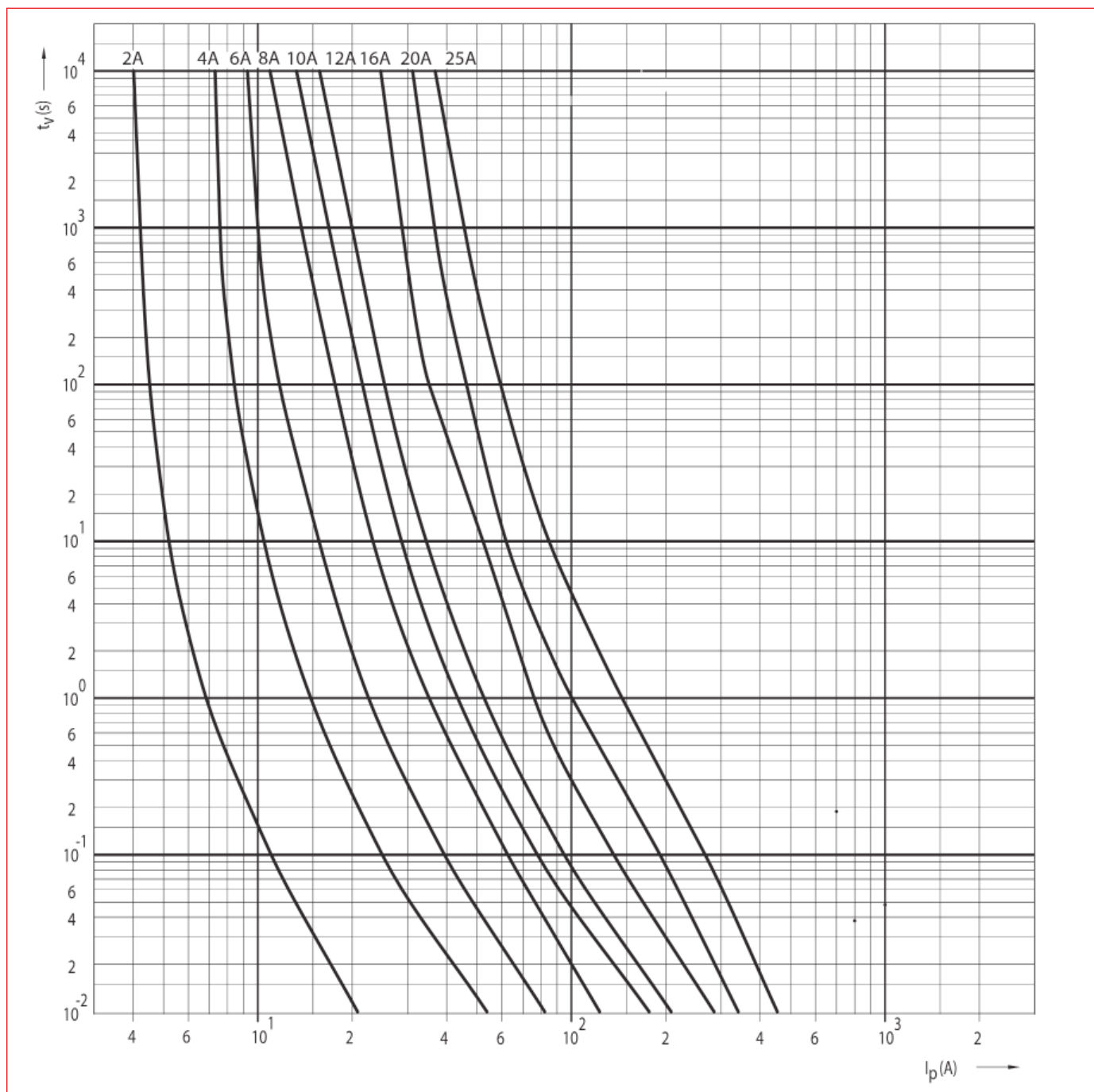
Size:	8 x 31
Characteristic:	gG
Rated current:	1 - 25 A
Rated voltage:	400 V-AC
Rated frequency:	50 Hz
Rated breaking capacity:	50 kA
Body material:	ceramic
Material of contact parts:	CuZn28, gal.Ag






▀ 8 x 31 Dimensions



■ Cylindrical fuse link 8 x 31 mm characteristic gG

■ 8 x 31 Characteristic gG



DESCRIPTION	AVAILABLE	ORDER NO.
1A, 400V, gG, 8x31		ISZ08001
2A, 400V, gG, 8x31		ISZ08002
4A, 400V, gG, 8x31		ISZ08004
6A, 400V, gG, 8x31		ISZ08006
8A, 400V, gG, 8x31		ISZ08008
10A, 400V, gG, 8x31		ISZ08010
12A, 400V, gG, 8x31		ISZ08012
16A, 400V, gG, 8x31		ISZ08016
20A, 400V, gG, 8x31		ISZ08020
25A, 400V, gG, 8x31		ISZ08025

Cylindrical fuse links

■ Cylindrical fuse link 10 x 38 mm characteristic gG



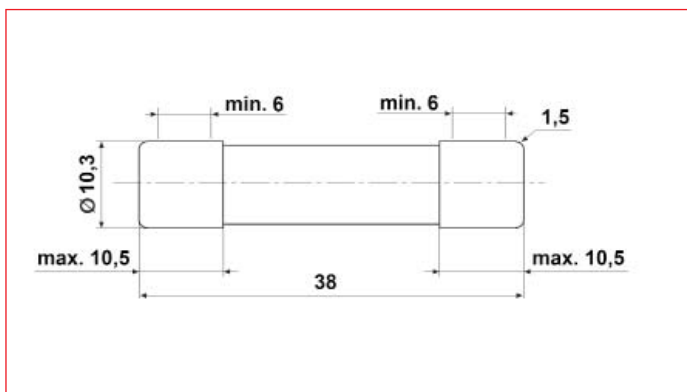
ISZ100005

■ Schrack-Info

- Cylindrical fuses according to IEC- standard sizes 10 x 38 mm
- Contacts silver-galvanized

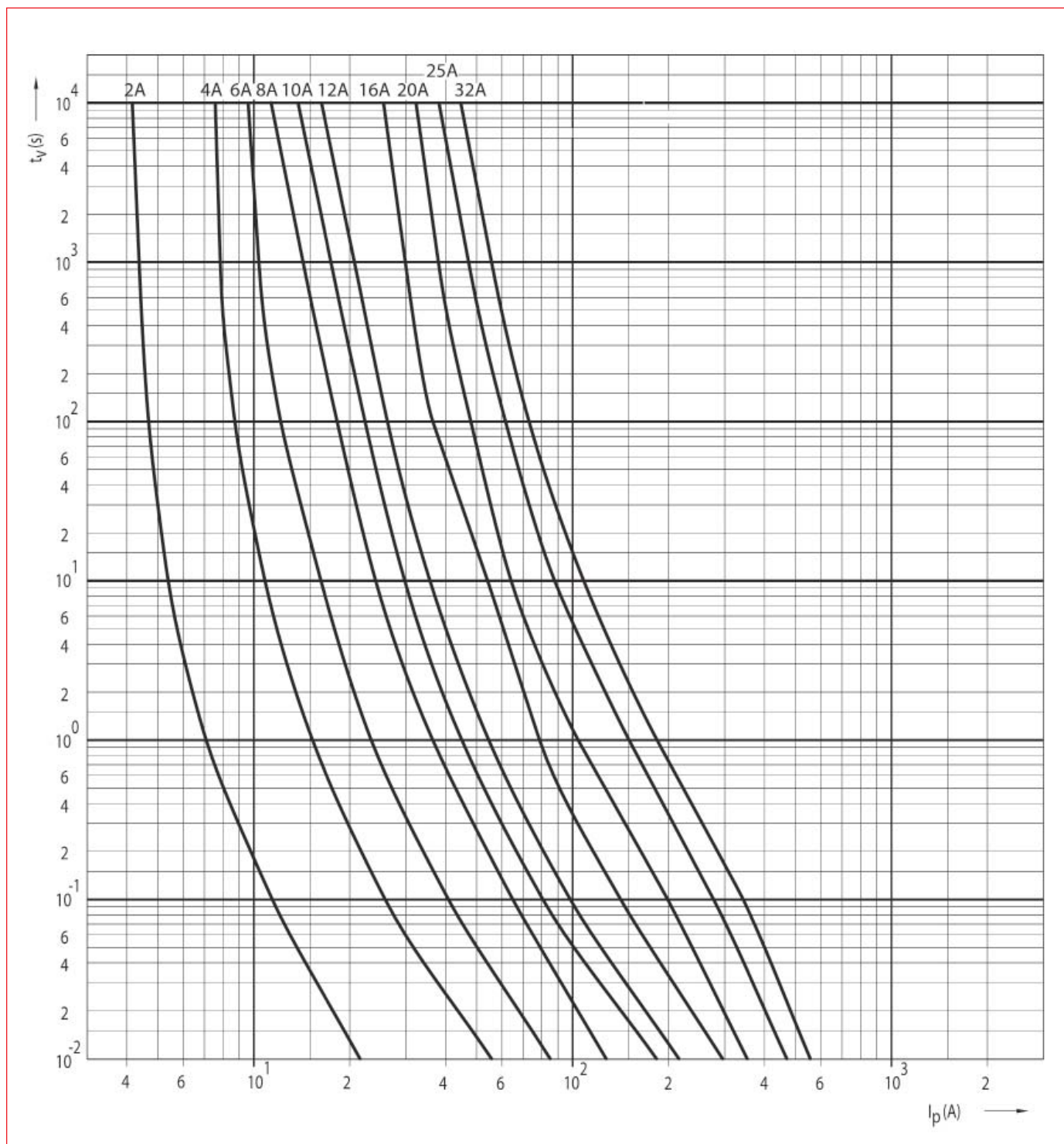
Size:	10 x 38
Characteristic:	gG
Rated current:	0,5 A - 32 A
Rated voltage:	500 V-AC
Rated frequency:	50 Hz
Rated breaking capacity:	100 kA
Body material:	ceramic
Material of contact parts:	CuZn28, gal.Ag

■ 10 x 38 Dimensions



▀ Cylindrical fuse link 10 x 38 mm characteristic gG

▀ 10 x 38 Characteristic gG



Cylindrical fuse links

■ Cylindrical fuse link 10 x 38 mm characteristic gG

DESCRIPTION	AVAILABLE	ORDER NO.
0,5A, 500V, gG, 10x38		ISZ10005
1A, 500V, gG, 10x38		ISZ10001
2A, 500V, gG, 10x38		ISZ10002
4A, 500V, gG, 10x38		ISZ10004
6A, 500V, gG, 10x38		ISZ10006
8A, 500V, gG, 10x38		ISZ10008
10A, 500V, gG, 10x38		ISZ10010
12A, 500V, gG, 10x38		ISZ10012
16A, 500V, gG, 10x38		ISZ10016
16A, 500V, gG, 10 x 38		SI311860
20A, 500V, gG, 10x38		ISZ10020
25A, 500V, gG, 10x38		ISZ10025
32A, 400V, gG, 10x38		ISZ10032

■ Cylindrical fuse link 14 x 51 mm characteristic gG



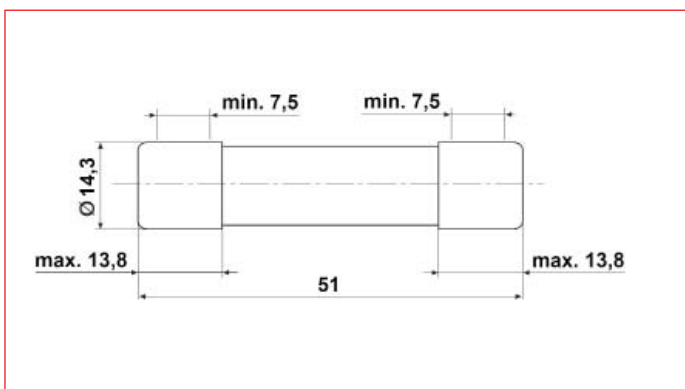
ISZ14002

■ Schrack-Info

- Cylindrical fuses according to IEC- standard sizes 14 x 51 mm
- Contacts silver-galvanized

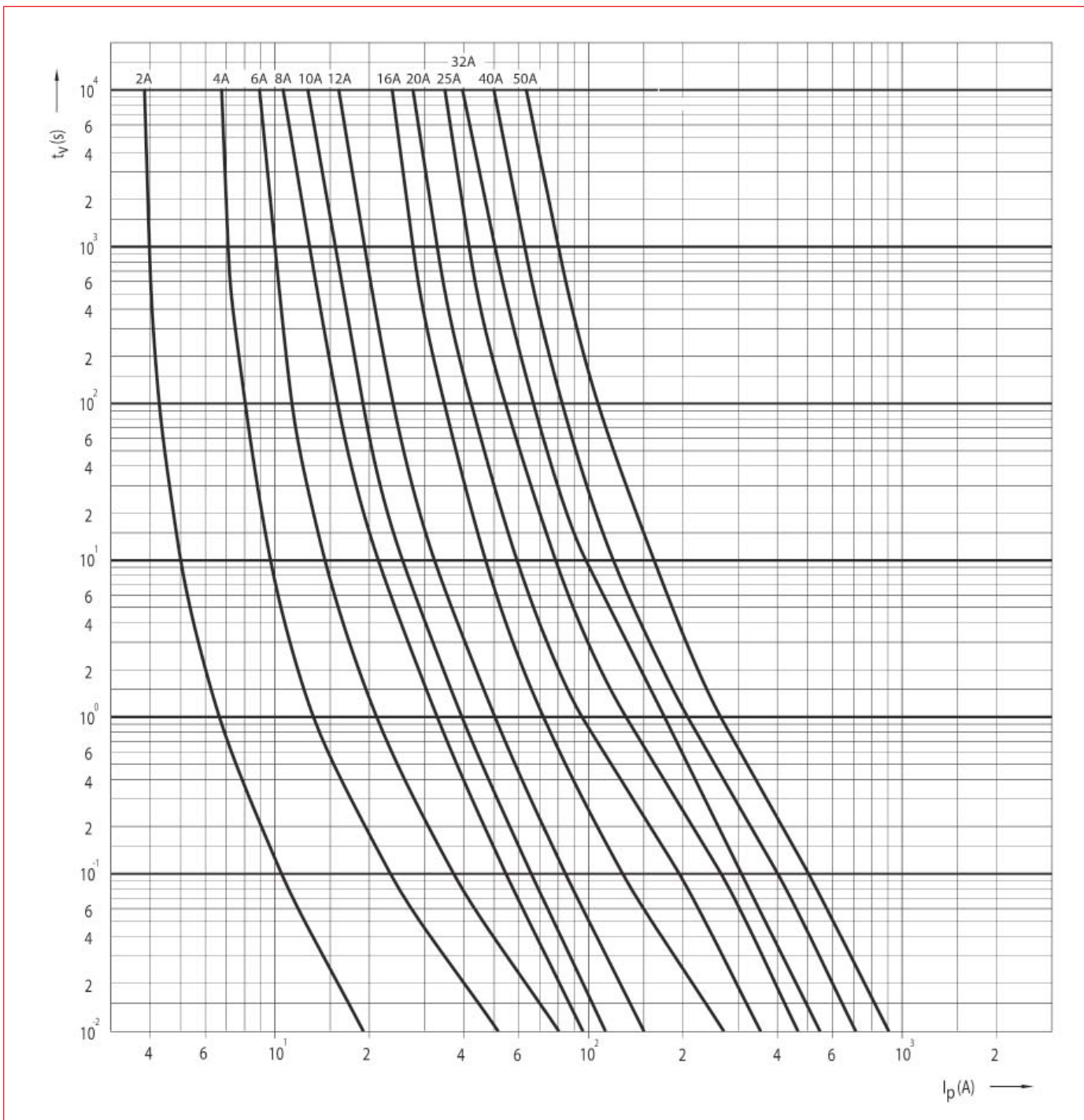
Size of fuse:	14 x 51
Characteristic:	gG
Rated current:	2 A - 50 A
Rated voltage:	690 V-AC
Rated frequency:	50 Hz
Rated short circuit making capacity:	2-25 A/80 kA, 32-50 A/120 kA
Material of cover:	Ceramic
Material off contacts:	CuZn28, gal.Ag

■ 14 x 51 Dimensions












▀ Cylindrical fuse link 14 x 51 mm characteristic gG

▀ 14 x 51 Characteristic gG



Cylindrical fuse links

■ Cylindrical fuse link 14 x 51 mm characteristic gG

DESCRIPTION	AVAILABLE	ORDER NO.
2A, 690V, gG, 14x51		ISZ14002
4A, 690V, gG, 14x51		ISZ14004
6A, 690V, gG, 14x51		ISZ14006
8A, 690V, gG, 14x51		ISZ14008
10A, 690V, gG, 14x51		ISZ14010
12A, 690V, gG, 14x51		ISZ14012
16A, 690V, gG, 14x51		ISZ14016
20A, 690V, gG, 14x51		ISZ14020
25A, 690V, gG, 14x51		ISZ14025
32A, 690V, gG, 14x51		ISZ14032
40A, 500V, gG, 14x51		ISZ14040
50A, 500V, gG, 14x51		ISZ14050

■ Cylindrical fuse link 22 x 58 mm characteristic gG



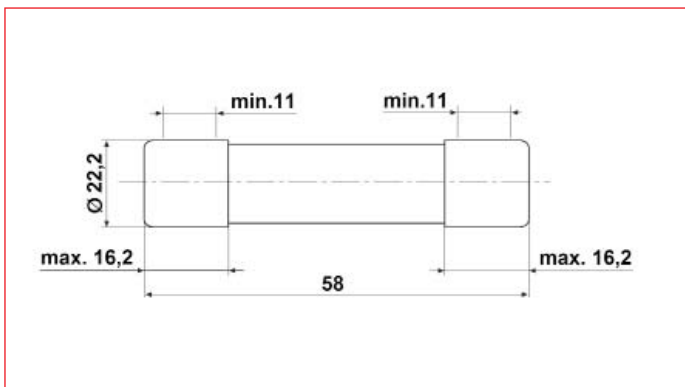
ISZ22016

■ Schrack-Info

- Cylindrical fuses according to IEC- standard sizes 22 x 58 mm
- Contacts silver-galvanized

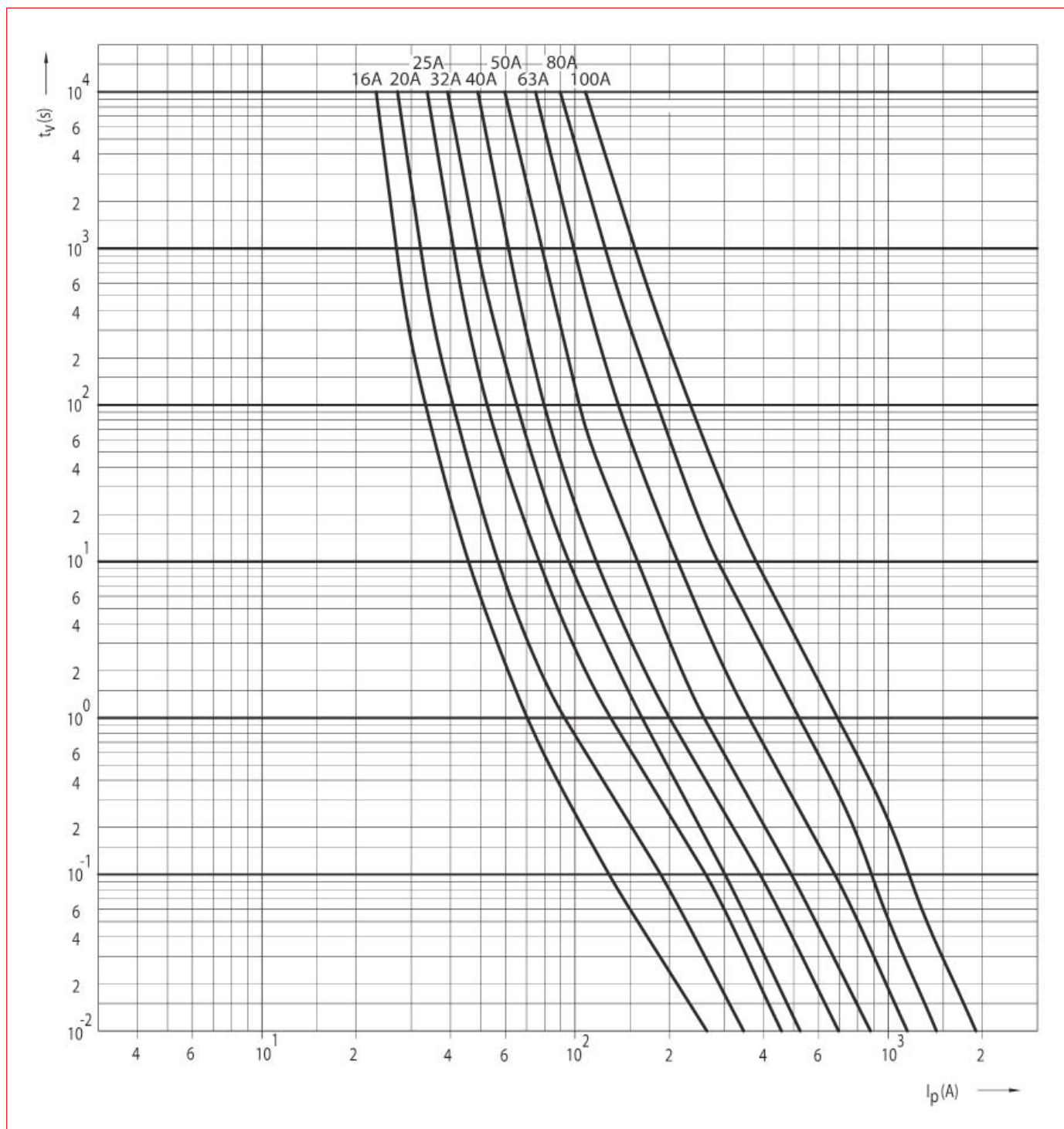
Size:	22 x 58
Characteristic:	gG
Rated current:	16 A - 125 A
Rated voltage:	690 V-AC
Rated frequency:	50 Hz
Rated breaking capacity:	16-40 A/80 kA (50 A/80 kA aM), 50-100 A/120 kA
Body material:	ceramic
Material of contact parts:	CuZn28, gal.Ag

■ 22 x 58 Dimensions



▀ Cylindrical fuse link 22 x 58 mm characteristic gG

▀ 22 x 58 Characteristic gG



DESCRIPTION	AVAILABLE	ORDER NO.
16A, 690V, gG, 22x58		ISZ22016
20A, 690V, gG, 22x58		ISZ22020
25A, 690V, gG, 22x58		ISZ22025
32A, 690V, gG, 22x58		ISZ22032
40A, 690V, gG, 22x58		ISZ22040
50A, 500V, gG, 22x58		ISZ22050
63A, 500V, gG, 22x58		ISZ22063
80A, 500V, gG, 22x58		ISZ22080
100A, 500V, gG, 22x58		ISZ22100
125A, 400V, gG, 22x58		ISZ22125

Cylindrical fuse links

■ Cylindrical fuse link 10 x 38 mm for photovoltaic 900V characteristic gR



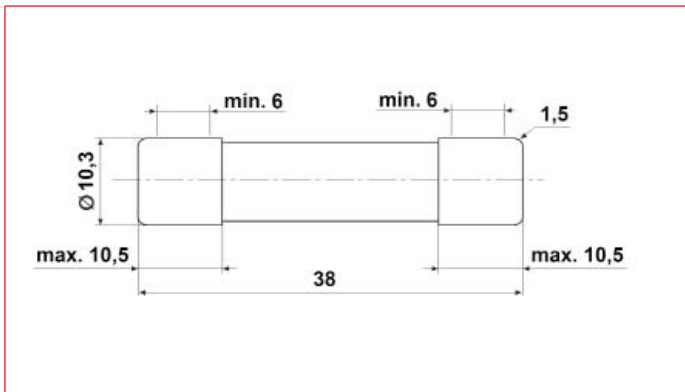
ISV10910

■ Schrack-Info

- Cylindrical DC-fuses according to IEC- standard sizes 10 x 38 mm
- Characteristic gR

Size:	10 x 38
Characteristic:	gR
Rated current:	6 A - 20 A
Rated voltage:	900 V-DC
Body material:	ceramic
Material of contact parts:	CuZn28, gal.Ag

■ 10 x 38 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
6A, 900V, gR, 10x38		ISV10906
10A, 900V, gR, 10x38		ISV10910
12A, 900V, gR, 10x38		ISV10912
15A, 900V, gR, 10x38		ISV10915
20A, 900V, gR, 10x38		ISV10920

■ Cylindrical fuse link 10 x 38 mm for photovoltaic 1000V characteristic gPV



ISV10016

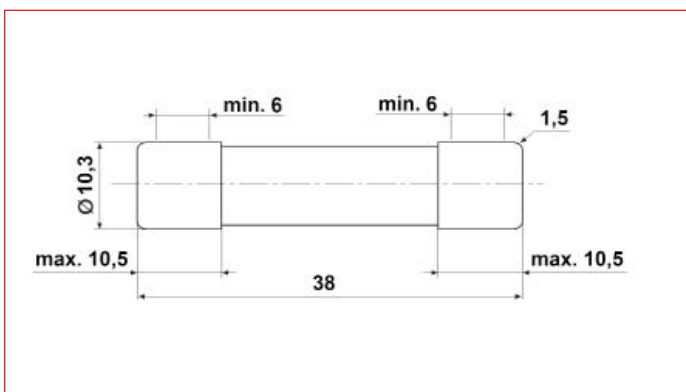
■ Schrack-Info

- Cylindrical PV-fuses according to IEC- standard sizes 10 x 38 mm
- Characteristic gPV

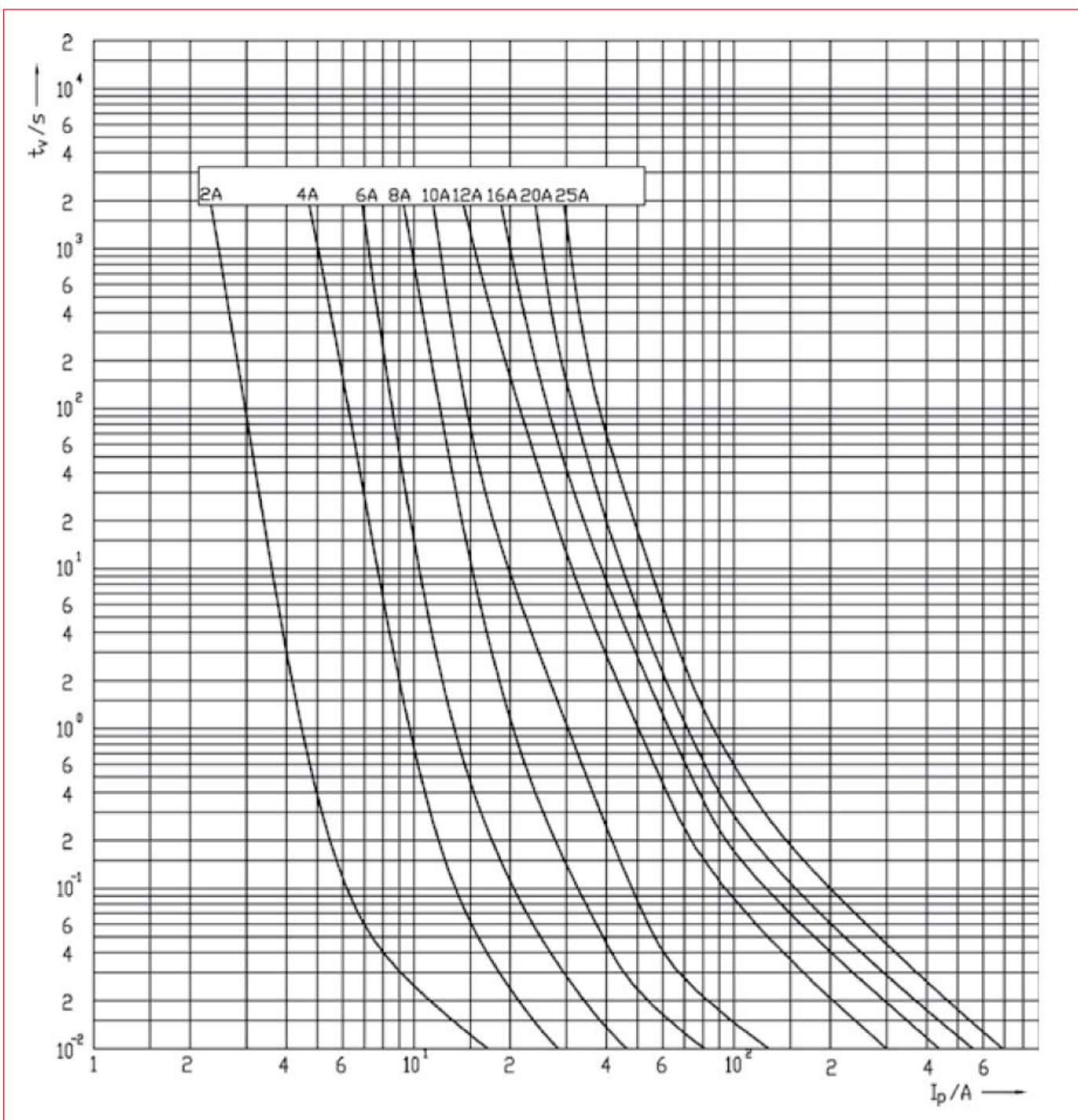
Size:	10 x 38
Characteristic:	gR
Rated current:	4 A - 20 A
Rated voltage:	1000 V-DC
Body material:	ceramic
Material of contact parts:	CuZn28, gal.Ag

▀ Cylindrical fuse link 10 x 38 mm for photovoltaic 1000V characteristic gPV

▀ 10 x 38 Dimensions







▀ 10 x 38 Characteristic gPV



Cylindrical fuse links

■ Cylindrical fuse link 10 x 38 mm for photovoltaic 1000V characteristic gPV

DESCRIPTION	AVAILABLE	ORDER NO.
4A, 1000V, gPV, 10x38		ISV10004
6A, 1000V, gPV, 10x38		ISV10006
8A, 1000V, gPV, 10x38		ISV10008
10A, 1000V, gPV, 10x38		ISV10010
12A, 1000V, gPV, 10x38		ISV10012
16A, 1000V, gPV, 10x38		ISV10016
20A, 1000V, gPV, 10x38		ISV10020

■ Cylindrical fuse link 10 x 38 mm characteristic gR



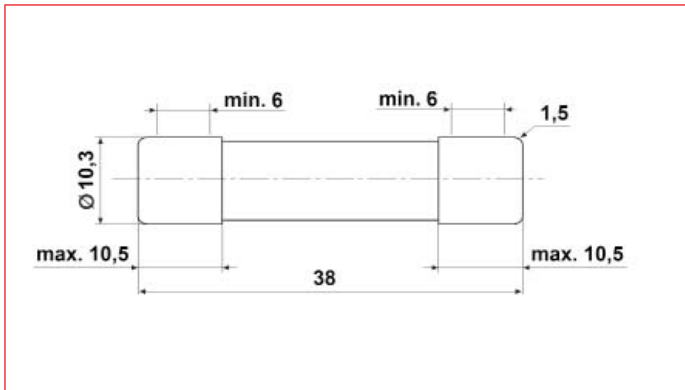
SI312130

■ Schrack-Info

- Cylindrical PV-fuses according in sizes 10 x 38 mm
- Characteristic gR

Size:	10 x 38
Characteristic:	gR
Rated current:	25 A
Rated voltage:	690 V-DC

■ 10 x 38 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
25A, 690V, gR, 10 x 38		SI312130

▀ Fuse link Class CC



SI312480

▀ Schrack-Info

- Fuses according to American standard in type Class CC
- Characteristic time delay

Type:	Class CC
Characteristic:	time delay
Rated current (IEC):	10 A, 15 A
Rated voltage (IEC):	600 V-AC
Rated current (UL):	10 A, 15 A
Rated voltage (UL):	600 V-AC
SCCR:	200 kA

DESCRIPTION	AVAILABLE	ORDER NO.
Class CC, 10A, 600V, 10x38, time delay		SI312480
Class CC, 15A, 600V, 10x38, time delay		SI312490



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General Terms of Delivery

issued by the Austrian Electrical and Electronics Industry Association (FEEI)



1. Scope

- 1.1. These General Terms shall govern legal transactions between business enterprises, namely the delivery of commodities and, mutatis mutandis, the rendering of services. Software transactions are with precedence governed by the Software Conditions issued by the Austrian Electrical and Electronics Industry Association, assembly work by the Terms and Conditions for Assembly Work issued by the Austrian Power Current and Light Current Engineering Industry and/or (where applicable) the Terms and Conditions for the Assembly of Electrical Equipment used in Medicine issued by the Austrian Electrical and Electronics Industry (the current versions are available at www.feei.at).
- 1.2. Any departure from the terms and conditions mentioned in 1.1 above shall be valid only if expressly accepted in writing by Seller.

2. Submission of offers

- 2.1. Seller's offers shall be deemed offers without engagement.
- 2.2. Tender documents and project documentation must not be duplicated nor made available to third parties without the permission of Seller. They may be claimed back at any time and shall be returned to Seller immediately if the order is placed elsewhere.

3. Conclusion of contract

- 3.1. The contract shall be deemed concluded upon written confirmation by Seller of an order received or upon dispatch of a delivery.
- 3.2. Particulars appearing in catalogues, folders etc. as well as any oral or written statements shall only be binding if Seller makes express reference to them in the confirmation of the order.
- 3.3. Subsequent amendments of or additions to the contract shall be subject to written confirmation.

4. Prices

- 4.1. Prices shall be quoted ex works or ex Seller's warehouse without VAT, packing and packaging, loading, disassembly, take-back and proper recycling and disposal of waste electrical and electronic equipment for commercial purposes as defined by the Ordinance Regulating the Handling of Waste Electrical Equipment. Buyer shall be liable for any and all charges, taxes or other duties levied in respect of delivery. If the terms of delivery include transport to a destination designated by Buyer, transport costs as well as the cost of any transport insurance desired by Buyer shall be borne by the latter. Delivery does not, however, include unloading and subsequent handling. Packaging materials will be taken back only by express agreement.
- 4.2. Seller reserves the right to modify prices if the order placed is not in accordance with the offer submitted.
- 4.3. Prices are based on costs obtaining at the time of the first quotation. In the event that the costs have increased by the time of delivery, Seller shall have the right to adjust prices accordingly.
- 4.4. In carrying out repair orders, Seller shall provide all services deemed expedient and shall charge Buyer for the same on the basis of the work input and/or expenditures required. The same holds for any services or additional services the expediency of which becomes apparent only as the repair order is executed. In such an event special notification of Buyer shall not be required.
- 4.5. Expenses for estimates of costs of repair and maintenance or for expert valuations shall be invoiced to Buyer.

5. Delivery

- 5.1. The period allowed for delivery shall commence at the latest of the following dates:
 - a) the date of order confirmation by Seller;
 - b) the date of fulfilment by Buyer of all the conditions, technical, commercial and other, for which he is responsible;
 - c) the date of receipt by Seller of a deposit or security due before delivery of the goods in question.
- 5.2. Buyer shall obtain whatever licences or approvals may be required from authorities or third parties for the construction of plant and equipment. If the granting of such licences or approvals is delayed for any reason the delivery period shall be extended accordingly.
- 5.3. Seller may carry out, and charge Buyer for, partial or advance deliveries. If delivery on call is agreed upon, the commodity shall be deemed called off at the latest one year after the order was placed.
- 5.4. In case of unforeseeable circumstances or circumstances beyond the parties control, such as all cases of force majeure, which impede compliance with the agreed period of delivery, the latter shall be extended in any case for the duration of such circumstances; these include in particular armed conflicts, official interventions and prohibitions, delays in transport or customs clearance, damages in transit, energy shortage and raw materials scarcity, labour disputes, and default on performance by a major component supplier who is difficult to replace. The aforesaid circumstances shall be deemed to prevail irrespective of whether they affect Seller or his subcontractor(s).
- 5.5. If a contractual penalty for default of delivery was agreed upon by contracting parties when the contract was concluded, it shall be executed as follows, and any deviations concerning individual items shall not affect the remaining provisions: Where delay in performance can be shown to have occurred solely through the fault of Seller, Buyer may claim for each completed week of delay an indemnity

of at most one half of one per cent, a total of no more than 5 %, however, of the value of that part of the goods to be delivered which cannot be used on account of Seller's failure to deliver an essential part thereof, provided the Buyer has suffered a damage to the aforesaid extent. Assertion of rights of damages exceeding this extent is precluded.

6. Passage of risk and place of performance

- 6.1. Unless otherwise agreed, the delivery of goods is considered sold EXW in accordance with INCOTERMS® 2010.
- 6.2. For services, the place of performance shall be the place indicated in the written order confirmation, secondary to that at which the service is actually rendered by Seller. The risk in respect of such services or any part thereof shall pass to Buyer at the time the services have been rendered.

7. Payment

- 7.1. Unless otherwise agreed, one third of the purchase price shall fall due at the time of receipt by Buyer of the order confirmation of Seller, one third after half the delivery period has elapsed and the balance at the time of delivery. Irrespective thereof the turnover tax comprised in the amount of the invoice shall be paid within 30 days of the invoice date. If bankruptcy proceedings are instituted against the assets of Buyer or if an application for bankruptcy proceedings is not granted for insufficiency of assets, deliveries shall only be made against cash in advance.
- 7.2. In the case of part settlements the individual part payments shall fall due upon receipt of the respective invoices. The same shall apply to amounts invoiced for additional deliveries or resulting from additional agreements beyond the scope of the original contract, irrespective of the terms of payment agreed upon for the principal delivery.
- 7.3. Payment shall be made without any discount free Seller's domicile in the agreed currency. Drafts and checks shall be accepted on account of payment only, with all interest, fees and charges in connection therewith (such as collection and discounting charges) to be borne by Buyer.
- 7.4. Buyer shall not be entitled to withhold or offset payment on the grounds of any warranty claims or other counterclaims.
- 7.5. Payment shall be deemed to have been effected on the date at which the amount in question is at Seller's disposal.
- 7.6. If Buyer fails to meet the terms of payment or any other obligation arising from this or other legal transactions, Seller may without prejudice to his other rights
 - a) suspend performance of his own obligations until payments have been made or other obligations fulfilled, and exercise his right to extend the period of delivery to a reasonable extent,
 - b) call in debts arisen from this or any other legal transactions and charge default interest amounting to 1.25 % per month plus turnover tax for these amounts beginning with the due dates, unless Seller proves costs exceeding this.
 - c) only perform other legal transactions against cash in advance in the case of qualified insolvency, in other words, following two delays in payment.In any case Seller has the right to invoice all expenses arising prior to a lawsuit, especially reminder charges and lawyer's fees.
- 7.7. Discounts or bonuses are subject to complete payment in due time.
- 7.8. Seller retains title to all goods delivered by him until receipt of all amounts invoiced including interests and charges. Buyer herewith assigns his claim out of a resale of conditional commodities, even if they are processed, transformed or combined with other commodities, to Seller to secure the latter's purchase money claim. In the case of resale granting respite Buyer shall have the power of disposal of the product under retention of ownership only with the proviso that upon reselling Buyer notifies the secondary buyer of the assignment for security or enters the assignment in his account books. Upon request Buyer has to notify the assigned claim and the debtor thereof to Seller, and to make all information and material required for his debt collection available and to notify the assignment to the third-party debtor. If the goods are attached or otherwise levied upon, Buyer shall draw attention to Seller's title and immediately inform Seller of the attachment or levy.

8. Warranty and acceptance of obligation to repair defects

- 8.1. Once the agreed terms of payment have been complied with, Seller shall, subject to the conditions hereunder, remedy any defect existing at the time of acceptance of the article in question whether due to faulty design, material or manufacture, that impairs the functioning of said article. From particulars appearing in catalogues, folders, promotional literature as well as written or oral statements which have not been included in the agreement no warranty obligations may be deduced.
- 8.2. Unless special warranty periods operate for individual items the warranty period shall be 12 months. These conditions shall also apply to any goods supplied, or services rendered in respect of goods supplied, that are firmly attached to buildings or the ground. The warranty period begins at the point of passage of risk acc. to paragraph 6.
- 8.3. For improved or exchanged parts, the warranty period shall start again, but shall end in any case 6 months after the original warranty period has expired.
- 8.4. If delivery or the performance of services is delayed for reasons outside the control of Seller, the warranty period shall begin 2 weeks after Seller is ready to deliver or perform services.

- 8.5. The foregoing warranty obligations are conditional upon the Buyer giving within a reasonable period notice in writing of any defects that have occurred and such notice reaching the Seller. Buyer shall prove within a reasonable period the presence of a defect, in particular he shall make available within a reasonable period to Seller all material and data in his possession. Upon receipt of such notice Seller shall, in the case of a defect covered by the warranty under 8.1 above, have the option to replace the defective goods or defective parts thereof or else to repair them on Buyer's premises or have them returned for repair, or to grant a fair and reasonable price reduction.
- 8.6. Any expenses incurred in connection with rectifying defects (e. g. expenses for assembly and disassembly, transport, waste disposal, travel and siteto-quarters time) shall be borne by Buyer. For warranty work on Buyer's premises Buyer shall make available free of charge any assistance, hoisting gear, scaffolding and sundry supplies and incidentals that may be required. Replaced parts shall become the property of Seller.
- 8.7. If an article is manufactured by Seller on the basis of design data, design drawings, models or other specifications supplied by Buyer, Seller's warranty shall be restricted to non-compliance with Buyers specifications.
- 8.8. Seller's warranty obligation shall not extend to any defects due to assembly and installation work not undertaken by Seller, inadequate equipment, or due to non-compliance with installation requirements and operating conditions, overloading of parts in excess of the design values stipulated by Seller, negligent or faulty handling or the use of inappropriate materials, nor for defects attributable to material supplied by Buyer. Nor shall Seller be liable for damage due to acts of third parties, atmospheric discharges. Excess voltage and chemical influences. The warranty does not cover the replacement of parts subject to natural wear and tear. Seller accepts no warranty for the sale of used goods.
- 8.9. The warranty shall lapse immediately if, without written consent of Seller, Buyer himself or a third party not expressly authorised undertakes modifications or repairs on any items delivered.
- 8.10. Claims acc. to § 933b ABGB are struck by the statute of limitation with lapse of the period mentioned under point 8.2.
- 8.11. The provisions of sub-paragraphs 8.1 to 8.10 shall apply, mutatis mutandis, to all cases where the obligation to repair defects has to be accepted for other reasons laid down by law.
- 9. Withdrawal from contract**
- 9.1. Buyer may withdraw from the contract only in the event of delays caused by gross negligence on the part of Seller and only after a reasonable period of grace has elapsed. Withdrawal from contract shall be notified in writing by registered mail.
- 9.2. Irrespective of his other rights Seller shall be entitled to withdraw from the contract
- if the execution of delivery or the inception or continuation of services to be rendered under the contract is made impossible for reasons within the responsibility of Buyer and if the delay is extended beyond a reasonable period of grace allowed;
 - if doubts have arisen as to Buyer's creditworthiness and if same fails, on Seller's request, to make an advance payment or to provide adequate security prior to delivery, or
 - if, for reasons mentioned in 5.4, the period allowed for delivery is extended by more than half of the period originally agreed or by at least 6 months, or
 - if Buyer does not or does not properly meet the obligations imposed as per paragraph 13.
- 9.3. For the reasons given above withdrawal from the contract shall also be possible in respect of any outstanding part of the delivery or service contracted for.
- 9.4. If bankruptcy proceedings are instituted against Buyer or an application for bankruptcy proceedings is not granted for insufficiency of assets, Seller may withdraw from the contract without allowing a period of grace. If this withdrawal is taken, it shall take effect immediately upon the decision that the business will not be continued. If the business will be continued, a withdrawal shall not take effect until 6 months after the institution of bankruptcy proceedings or after an application for bankruptcy proceedings has not been granted for insufficiency of assets. In any case, the contract shall be terminated immediately unless the bankruptcy law to which Buyer is subject conflicts with this or if termination of the contract is necessary to prevent significant damages to Seller.
- 9.5. Without prejudice to Seller's claim for damages including expenses arising prior to a lawsuit, upon withdrawal from contract any open accounts in respect of deliveries made or services rendered in whole or in part shall be settled according to contract. This provision also covers deliveries or services not yet accepted by Buyer as well as any preparatory acts performed by Seller. Seller shall, however, have the option alternatively to require the restitution of articles already delivered.
- 9.6. Withdrawal from contract shall have no consequences other than those stipulated above.
- 9.7. The assertion of claims on the ground of *laesio enormis*, error, or lapse of purpose by the Buyer is excluded.
- 10. Disposal of waste electrical and electronic equipment**
- 10.1. The Buyer of electrical/electronic equipment for commercial purposes, incorporated in Austria, is responsible for the financing of the collection and treatment of waste electrical and electronic equipment as defined by the Ordinance Regulating the Handling of Waste Electrical Equipment, if he is himself the user of the electrical/electronic equipment. If the Buyer is not the end user, he shall transfer the full financial commitment to his customer by agreement and furnish proof thereof to the Seller.
- 10.2. The Buyer incorporated in Austria shall ensure that the Seller is provided with all information necessary to meet the Seller's obligations as manufacturer/importer, particularly according to §§ 11 and 24 of the Ordinance Regulating the Handling of Waste Electrical Equipment and the Waste Management Act.
- 10.3. The Buyer incorporated in Austria is liable vis-à-vis the Seller for any damage and other financial disadvantages incurred by Seller due to Buyer's failure to meet or fully meet his financing commitment or any other obligations according to Article 10. The Buyer shall bear the burden of proof of performance of this obligation.
- 11. Seller's liability**
- 11.1. Outside the scope of the Product Liability Act, Seller shall be liable only if the damage in question is proved to be due to intentional acts or acts of gross negligence, within the limits of statutory provisions. Seller's total liability in cases of gross negligence is limited to the net value of the order or EUR 500,000, depending on which amount is lower.
- 11.2. For each incident of damage, Seller shall be liable for 25% of the net value of the order or EUR 125,000, depending on which amount is lower.
- 11.3. Seller shall not be liable for damage due to acts of ordinary negligence nor for consequential damages or damages for pure economic loss, indirect damages, loss of production, financing costs, costs for replacement energy, loss of energy, data or information, loss of profits, loss of savings or interest, or damage resulting from third-party claims against buyer.
- 11.4. Seller shall not be liable for damages in case of non-compliance with instructions for assembly, commissioning and operation (such as are contained in instructions for use) or non-compliance with licensing requirements.
- 11.5. Claims that exceed the contractual penalties that were agreed on are excluded from the respective title. The provisions of paragraph 11 apply exclusively for all claims by Buyer against Seller, regardless of the legal basis or entitlement, and also apply to all employees, subcontractors and subsuppliers of Seller.
- 12. Industrial property rights and copyrights**
- 12.1. Buyer shall indemnify Seller and hold him harmless against any claims for any infringement of industrial property rights raised against him if Seller manufactures an article pursuant to any design data, design drawings, models or other specifications made available to him by Buyer.
- 12.2. Design documents such as plans and drawings and other technical specifications as well as samples, catalogues, prospectuses, pictures and the like shall remain the intellectual property of Seller and are subject to the relevant statutory provisions governing reproduction, imitation, competition etc. The provisions of 2.2 above shall also cover design documents.
- 13. Compliance with export provisions**
- 13.1. When passing on goods delivered by Seller to third parties (as well as any related documentation, regardless of the method of provision or the services performed by Seller [including technical support of any kind]), Buyer must comply with the applicable regulations of national and international (re-)export provisions. In any case, Buyer must observe the (re-)export provisions of Seller's country of residence, the European Union and the United States of America.
- 13.2. If necessary for export controls, Buyer must provide Seller with all necessary information immediately after being requested to do so, for example, information about the final recipient, final destination and purpose of the goods or services.
- 14. General**
- Should individual provisions of the contract or of these provisions be invalid the validity of the other provisions shall not be affected. The invalid provision shall be replaced by a valid one, which comes as close to the target goal as possible.
- 15. Jurisdiction and applicable law**
- Any litigations arising under the contract including litigations over the existence or non-existence thereof shall fall within the exclusive jurisdiction of the competent court at Seller's domicile; the competent court of the Bezirksgericht Innere Stadt, Vienna, shall have exclusive jurisdiction if Seller is domiciled in Vienna. The contract is subject to Austrian law excluding the referral rules. Application of the UN Convention on Contracts for the International Sale of Goods is renounced.
- 16. Proviso**
- The execution of the contract by Seller is subject to the condition that there are no obstacles standing in the way of execution due to national or international (re-)export provisions, and especially no embargos and/or other sanctions.

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THE COMPANY

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