

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 500 V, nominal current: 10 A, number of positions: 1, connection method: Screw connection, Rated cross section: 1.5 mm², cross section: 0.5 mm²- 16 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: black

Your advantages

- Can be bridged with FBI ... fixed bridge

Commercial data

Item number	3005109
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1235
Product key	BE1235
Catalog page	Page 496 (C-1-2019)
GTIN	4017918091040
Weight per piece (including packing)	33.663 g
Weight per piece (excluding packing)	33.663 g
Customs tariff number	85369095
Country of origin	PL

UK 10-DREHSI (5X20) - Fuse modular terminal block



3005109

<https://www.phoenixcontact.com/au/products/3005109>

Technical data

Notes

General

Note	The current is determined by the fuse used, the voltage by the fuse or selected light indicator.
------	--

Product properties

Product type	Fuse terminal block
Number of positions	1
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Fuse type	Glass / ceramics / ...
Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	2.43 W
Fuse	G / 5 x 20

Connection data

Number of connections per level	2
Nominal cross section	16 mm ²

Level 1 above 1 below 1

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	11 mm
Internal cylindrical gage	B6
Connection in acc. with standard	IEC 60947-7-3
Conductor cross section rigid	0.5 mm ² ... 16 mm ²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 16 mm ²
Conductor cross section, flexible [AWG]	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 10 mm ²
Cross-section with insertion bridge, rigid	10 mm ²
Cross-section with insertion bridge, flexible	10 mm ²
2 conductors with same cross section, solid	0.5 mm ² ... 4 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 4 mm ²

UK 10-DREHSI (5X20) - Fuse modular terminal block



3005109

<https://www.phoenixcontact.com/au/products/3005109>

2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 10 mm ²
Nominal current	10 A
Maximum load current	10 A
Nominal voltage	500 V (As a fuse terminal block) 800 V (As a disconnect terminal block)
Nominal cross section	1.5 mm ²

Dimensions

Width	12 mm
Height	62 mm
Depth on NS 32	62.2 mm
Depth on NS 35/7,5	57.2 mm
Depth on NS 35/15	64.7 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 1, class B, body mounted
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	1.857 (m/s ²)/Hz

UK 10-DREHSI (5X20) - Fuse modular terminal block



3005109

<https://www.phoenixcontact.com/au/products/3005109>

Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-3
----------------------------------	---------------

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

UK 10-DREHSI (5X20) - Fuse modular terminal block

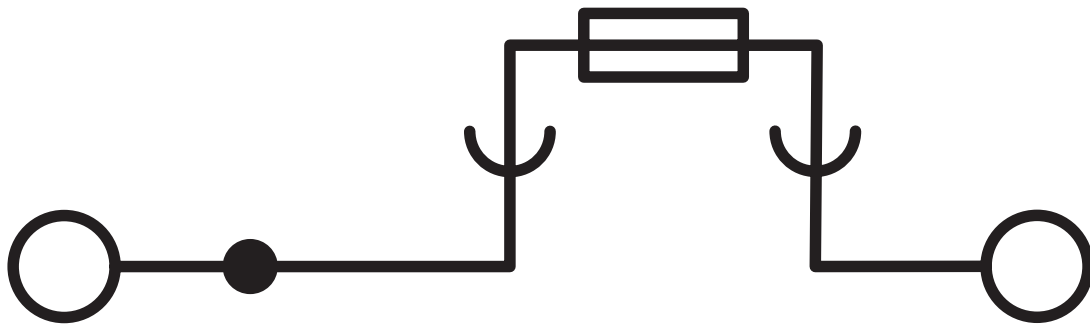
3005109

<https://www.phoenixcontact.com/au/products/3005109>



Drawings

Circuit diagram



UK 10-DREHSI (5X20) - Fuse modular terminal block



3005109

<https://www.phoenixcontact.com/au/products/3005109>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/3005109>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	20 A	22 - 6	-
Use group C	300 V	20 A	22 - 6	-

 IECEE CB Scheme Approval ID: NL-56826/A1				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	800 V	-	-	0.5 - 16

 EAC Approval ID: KZ7500651131219505				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	20 A	24 - 6	-
Use group C	300 V	20 A	24 - 6	-
Use group F	500 V	20 A	24 - 6	-

 KEMA-KEUR Approval ID: 71-119846				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	10 A	-	0.5 - 16

 LR Approval ID: LR2420186TA				
---	--	--	--	--

UK 10-DREHSI (5X20) - Fuse modular terminal block



3005109

<https://www.phoenixcontact.com/au/products/3005109>

Classifications

ECLASS

ECLASS-13.0	27250113
-------------	----------

ETIM

ETIM 9.0	EC000899
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

UK 10-DREHSI (5X20) - Fuse modular terminal block



3005109

<https://www.phoenixcontact.com/au/products/3005109>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

EF3.0 Climate Change

CO2e kg	0.243 kg CO2e
---------	---------------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT PTY Ltd
Unit 7, 2-8 South Street
Rydalmere NSW 2116
1300 786 411
customerservice@phoenixcontact.com.au