

LINKWELL



# Distribution Terminal Blocks

- Space saving: compact
- Tinned copper block: high conductivity
- IP 20 protection/UL finger-safe: improved safety
- Cable fixing screw diameters >95% fill ratio: excellent electrical contact, safe connections
- Visual inspection of wire: confirmation of connection
- Hinged or removable cover: easy wiring
- Clip-on DIN rail or mount to panel with screws: easy fixing

### Attachment



LK 80 A



NEW

LK-80A CE RoHS

80A IEC 60947-7-1

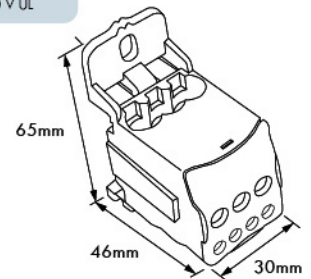
85 Amp (UL certification application)

Modular: keeping only one input, the blocks can be connected in parallel using a jumper wire. Easily double or triple the neutral.

| Metric system | mm <sup>2</sup> |    | T(N.m) |
|---------------|-----------------|----|--------|
|               | 6...16          | x1 | 3.5    |
|               | 2.5...6         | x4 | 1.2    |
|               | 2.5...16        | x2 | 3.5    |

| U.S. Regulations | AWG    |    | Torque |
|------------------|--------|----|--------|
|                  | 16...4 | x1 | 19.5   |
|                  | 16...8 | x4 | 10.6   |
|                  | 16...4 | x2 | 19.5   |

- I=80 A IEC
- I=85 A UL/CSA
- Icw KA rms Is: 3
- IPk KA: 22
- Ui: 690V IEC
- Vin: 600 V UL



Installation Hole: 54mm

LK 125 A



NEW

LK-125A CE RoHS

125A IEC 60947-7-1

150 Amp (UL certification application)

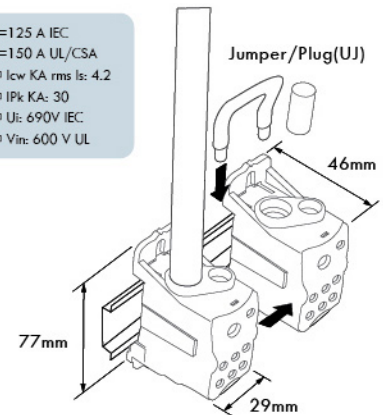
Modular: keeping only one input, the blocks can be connected in parallel using a jumper wire. Easily double or triple the neutral.

| Metric system | mm <sup>2</sup> |        | T(N.m) |
|---------------|-----------------|--------|--------|
|               | 10...35         | x1     | 8.5    |
|               | 6...16**        | x1     | 3.5    |
|               | 2,5...16        | x6  x4 | 3.5    |

\*\* or common jumper

| U.S. Regulations | AWG     |    | Torque |
|------------------|---------|----|--------|
|                  | 8...1/0 | x1 | 57     |
|                  | 14...4  | x1 | 31     |
|                  | 14...4  | x6 | 31     |

- I=125 A IEC
- I=150 A UL/CSA
- Icw KA rms Is: 4.2
- IPk KA: 30
- Ui: 690V IEC
- Vin: 600 V UL



Installation Hole: 64mm

LK 160 A



NEW

LK-160A CE RoHS

160A IEC 60947-7-1

200 Amp (UL certification application)

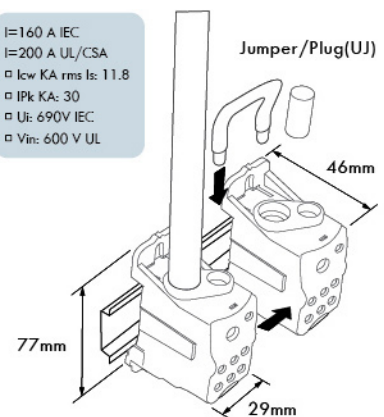
Modular: keeping only one input, the blocks can be connected in parallel using a jumper wire. Easily double or triple the neutral.

| Metric system | mm <sup>2</sup> |        | T(N.m) |
|---------------|-----------------|--------|--------|
|               | 10...70         | x1     | 8.5    |
|               | 6...16**        | x1     | 3.5    |
|               | 2,5...16        | x6  x4 | 3.5    |

\*\* or common jumper

| U.S. Regulations | AWG     |    | Torque |
|------------------|---------|----|--------|
|                  | 8...3/0 | x1 | 75     |
|                  | 14...4  | x1 | 31     |
|                  | 14...4  | x6 | 31     |

- I=160 A IEC
- I=200 A UL/CSA
- Icw KA rms Is: 11.8
- IPk KA: 30
- Ui: 690V IEC
- Vin: 600 V UL



Installation Hole: 64mm

Terminal Connection

LK 250 A



**LK-250A** CE RoHS

**250A IEC 60947-7-1**  
**255 Amp** ( UL certification application )

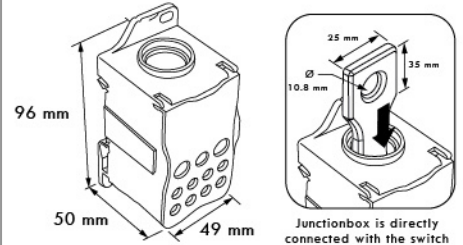
Modular:allows versatile building of power blocks single pole, two pole,three pole or four pole.

| Metric system | mm <sup>2</sup> | mm <sup>2</sup> |    | T(N.m) |
|---------------|-----------------|-----------------|----|--------|
|               | 35...120        |                 | x1 | 19     |
|               | 6...35          | 6...25          | x2 | 4.4    |
|               | 2.5...16        | 2.5...16        | x5 | 2.7    |
|               | 2.5...10        | 2.5...10        | x4 | 2.7    |

| U.S. Regulations | AWG           |    | Torque |
|------------------|---------------|----|--------|
|                  | 6...250 Kcmil | x1 | 221    |
|                  | 14...1        | x2 | 39     |
|                  | 14...4        | x5 | 24     |
|                  | 14...6        | x4 | 24     |

- I=250 A IEC
- I=255 A UL/CSA
- Icw KA rms Is: 24.5
- IPk KA: 51
- Ui: 690V IEC
- Vin: 600 V UL

Flexible with TF 250A busbar connection with the TH



Installation Hole:85×29mm

LK 400 A



**LK-400A** CE RoHS Conform to

**400A IEC 60947-7-1**  
**335 Amp** ( UL certification application )

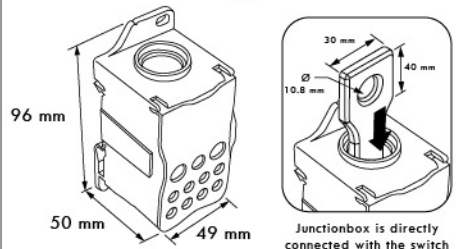
Modular:allows versatile building of power blocks single pole, two pole,three pole or four pole.

| Metric system | mm <sup>2</sup> | mm <sup>2</sup> |    | T(N.m) |
|---------------|-----------------|-----------------|----|--------|
|               | 95...185        |                 | x1 | 25     |
|               | 6...35          | 6...25          | x2 | 4.4    |
|               | 2.5...16        | 2.5...16        | x5 | 2.7    |
|               | 2.5...10        | 2.5...10        | x4 | 2.7    |

| U.S. Regulations | AWG             |    | Torque |
|------------------|-----------------|----|--------|
|                  | 3/0...400 Kcmil | x1 | 221    |
|                  | 14...1          | x2 | 39     |
|                  | 14...4          | x5 | 24     |
|                  | 14...6          | x4 | 24     |

- I=400 A IEC
- I=335 A UL/CSA
- Icw KA rms Is: 24.5
- IPk KA: 51
- Ui: 690V IEC
- Vin: 600 V UL

Flexible with TF 400A busbar connection with the TH



Installation Hole:85×29mm

LK 500 A



**LK-500A** CE RoHS

**500A IEC 60947-7-1**  
**520 Amp** ( UL certification application )

Modular:allows versatile building of power blocks single pole, two pole,three pole or four pole.

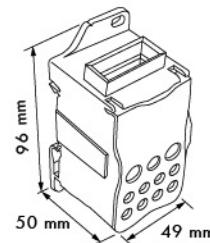
| Metric system | mm <sup>2</sup>         | mm <sup>2</sup>         |    | T(N.m) |
|---------------|-------------------------|-------------------------|----|--------|
|               | 4x15.5x0.8<br>...8x24x1 | 4x15.5x0.8<br>...8x24x1 |    | 10     |
|               | 6...35                  | 6...25                  | x2 | 4.4    |
|               | 2.5...16                | 2.5...16                | x5 | 2.7    |
|               | 2.5...10                | 2.5...10                | x4 | 2.7    |

| U.S. Regulations | AWG                     |    | Torque |
|------------------|-------------------------|----|--------|
|                  | 4x15.5x0.8<br>...8x24x1 |    | 88.5   |
|                  | 14...1                  | x2 | 39     |
|                  | 14...4                  | x5 | 24     |
|                  | 14...6                  | x4 | 24     |

- I=500 A IEC
- I=520 A UL/CSA
- Icw KA rms Is: 24.5
- IPk KA: 51
- Ui: 690V IEC
- Vin: 600 V UL

TH flexible busbar

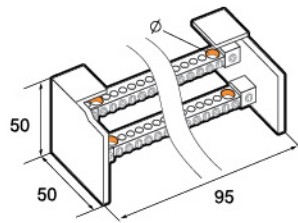
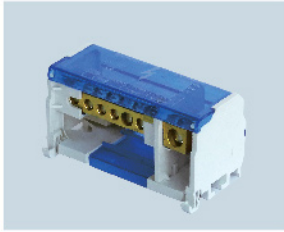
|  |                |
|--|----------------|
|  | 4 x 15.5 x 0.8 |
|  | 6 x 15.5 x 0.8 |
|  | 2 x 20 x 1     |
|  | 3 x 20 x 1     |
|  | 4 x 20 x 1     |
|  | 5 x 20 x 1     |
|  | 6 x 20 x 1     |
|  | 2 x 24 x 1     |
|  | 3 x 24 x 1     |
|  | 4 x 24 x 1     |
|  | 5 x 24 x 1     |
|  | 6 x 24 x 1     |
|  | 8 x 24 x 1     |



Installation Hole:85×29mm

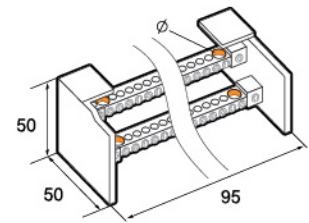
# Distribution Terminal Blocks

UK 207



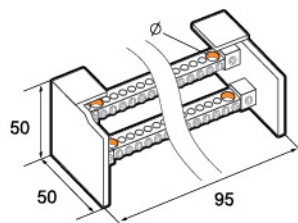
| Type   | Size   | Terminals per pole   |
|--|--|--|
| UK207  | Solid core lead<br>multistrand lead [mm*]<br>L H W         | 2 pole   |
| EN60947-1<br>CE Certificate                      | 1.5-6mm <sup>2</sup><br>6-16mm <sup>2</sup><br>94x50 x44mm | 1 x 16mm <sup>2</sup><br>1 x 25mm <sup>2</sup><br>5 x 6mm <sup>2</sup> |
| KA rating pead<br>Max. Current 100A Voltage 500V | For  type  |  |

UK 211



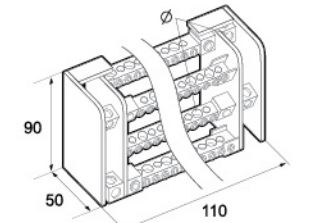
| Type   | Size  | Terminals per pole   |
|--|---|--|
| UK 211   | Solid core lead<br>multistrand lead [mm*]<br>L H W  | 2 pole   |
| EN60947-1<br>CE Certificate                      | 1.5-6mm <sup>2</sup> 6-16mm <sup>2</sup><br>10-16mm <sup>2</sup> 10-25mm <sup>2</sup><br>147x50 x85mm | 3 x 16mm <sup>2</sup><br>1 x 25mm <sup>2</sup><br>7 x 6mm <sup>2</sup> |
| KA rating pead<br>Max. Current 125A Voltage 500V | For  type   |  |

UK 215



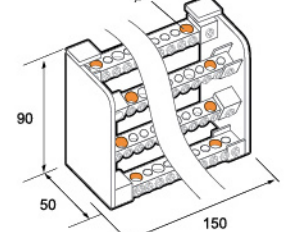
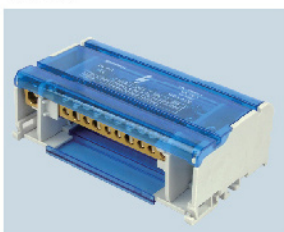
| Type   | Size  | Terminals per pole  |
|--|---|---|
| UK 215   | Solid core lead<br>multistrand lead [mm*]<br>L H W  | 2 pole  |
| EN60947-1<br>CE Certificate                      | 1.5-6mm <sup>2</sup> 6-16mm <sup>2</sup><br>10-25mm <sup>2</sup> 2.5-6mm <sup>2</sup><br>182x50 x85mm | 3 x 16mm <sup>2</sup><br>1 x 25mm <sup>2</sup><br>11 x 6mm <sup>2</sup> |
| KA rating pead<br>Max. Current 125A Voltage 500V | For  type   |   |

UK 407



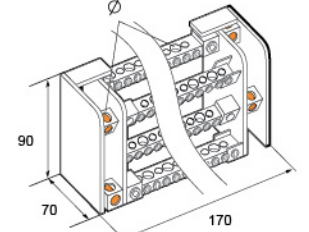
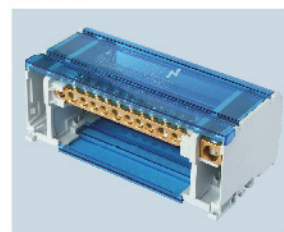
| Type   | Size  | Terminals per pole   |
|--|---|--|
| UK407  | Solid core lead<br>multistrand lead [mm*]<br>L H W  | 4 pole   |
| EN60947-1<br>CE Certificate                      | 1.5-6mm <sup>2</sup> 6-16mm <sup>2</sup><br>2.5-6mm <sup>2</sup> 10-25mm <sup>2</sup><br>109x50 x85mm | 1 x 16mm <sup>2</sup><br>1 x 25mm <sup>2</sup><br>5 x 6mm <sup>2</sup> |
| KA rating pead<br>Max. Current 125A Voltage 500V | For  type   |  |

UK 411



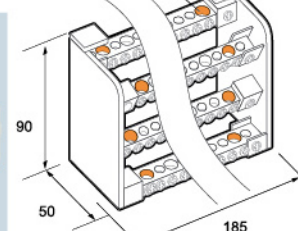
| Type   | Size  | Terminals per pole   |
|--|---|--|
| UK411  | Solid core lead<br>multistrand lead [mm*]<br>L H W  | 4 pole   |
| EN60947-1<br>CE Certificate                      | 1.5-6mm <sup>2</sup> 6-16mm <sup>2</sup><br>10-16mm <sup>2</sup> 10-25mm <sup>2</sup><br>147x50 x85mm | 3 x 16mm <sup>2</sup><br>1 x 25mm <sup>2</sup><br>7 x 6mm <sup>2</sup> |
| KA rating pead<br>Max. Current 125A Voltage 500V | For  type   |  |

UK 412



| Type   | Size  | Terminals per pole   |
|--|---|--|
| UK412  | Solid core lead<br>multistrand lead [mm*]<br>L H W  | 4 pole   |
| EN60947-1<br>CE Certificate                      | 1.5-6mm <sup>2</sup> 6-16mm <sup>2</sup><br>10-16mm <sup>2</sup> 2.5-6mm <sup>2</sup><br>170x70 x90mm | 3 x 16mm <sup>2</sup><br>1 x 25mm <sup>2</sup><br>7 x 6mm <sup>2</sup> |
| KA rating pead<br>Max. Current 160A Voltage 500V | For  type   |  |

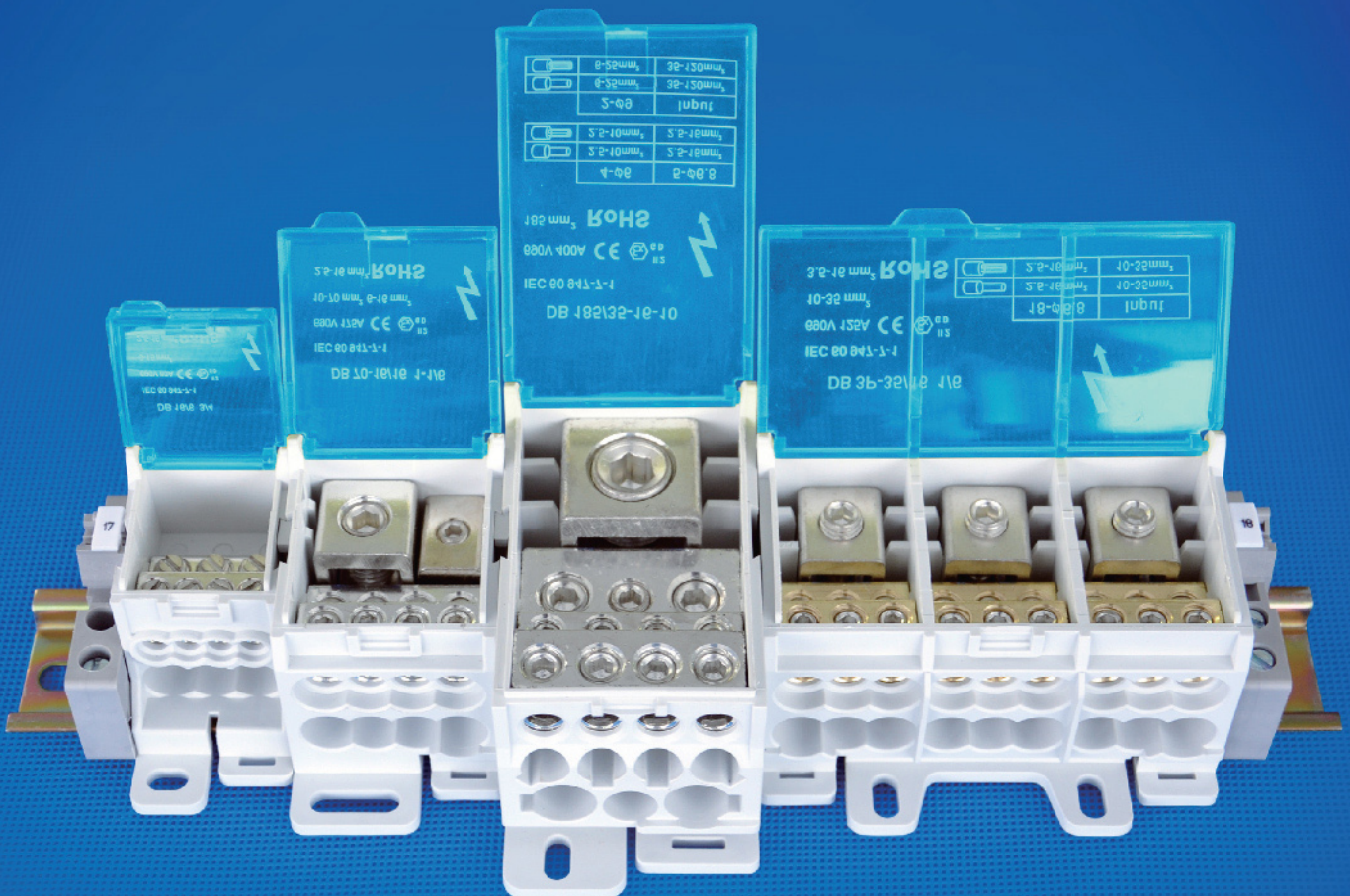
UK 415



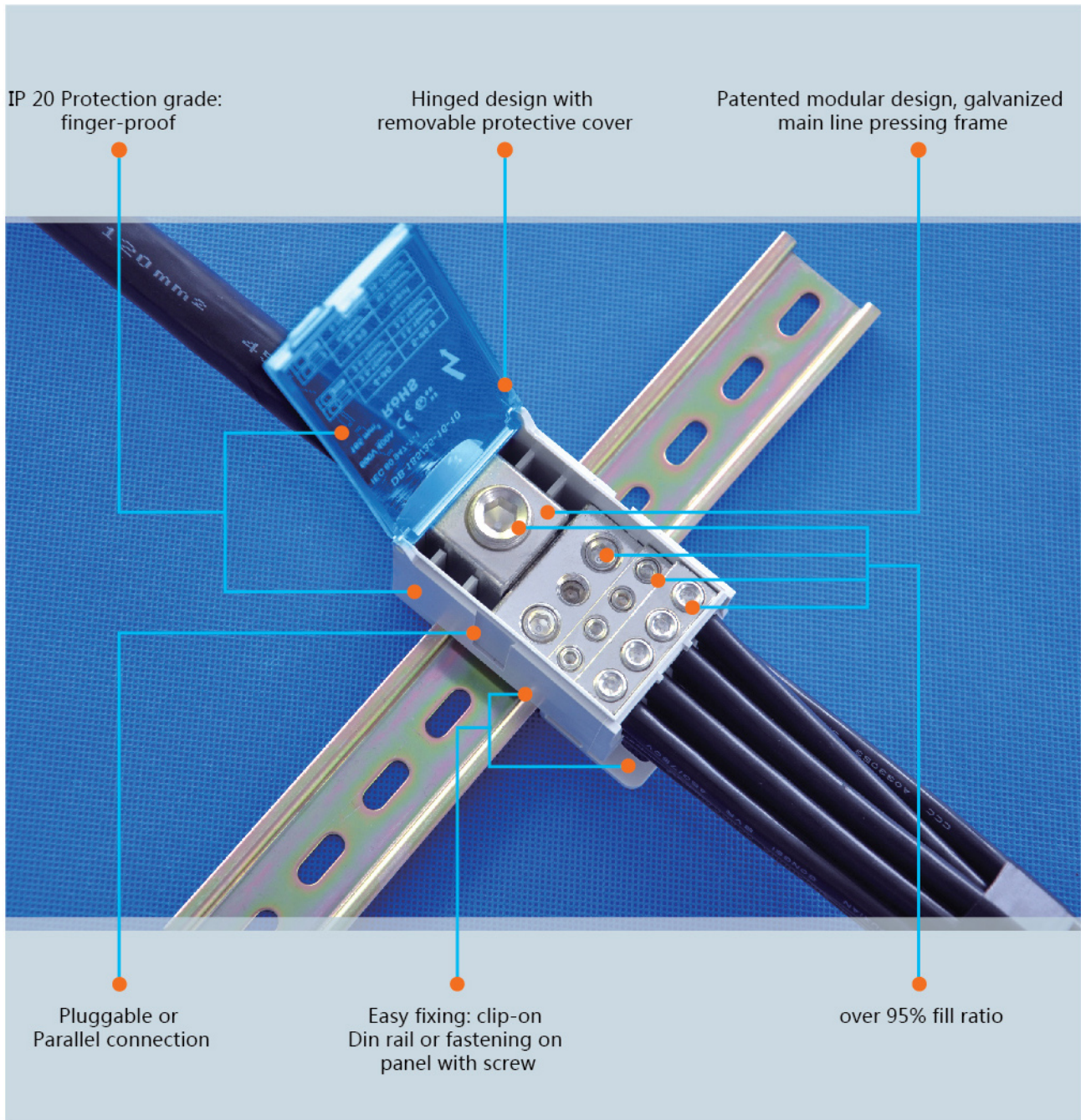
| Type   | Size  | Terminals per pole  |
|--|---|---|
| UK415  | Solid core lead<br>multistrand lead [mm*]<br>L H W  | 4 pole  |
| EN60947-1<br>CE Certificate                      | 1.5-6mm <sup>2</sup> 6-16mm <sup>2</sup><br>10-25mm <sup>2</sup> 2.5-6mm <sup>2</sup><br>182x50 x85mm | 3 x 16mm <sup>2</sup><br>1 x 25mm <sup>2</sup><br>11 x 6mm <sup>2</sup> |
| KA rating pead<br>Max. Current 125A Voltage 500V | For  type   |   |

## Simple and Compact DB Power distribution blocks

- Small and space-saving
- Modular architecture, enable three phase modules
- User-friendly
- IP20 protection degree
- Clip-on NS35 DIN rail, or mount to panel sheet with screw
- Short-circuit Protection
- Each module allows cable feed -through Max. 5×16mm

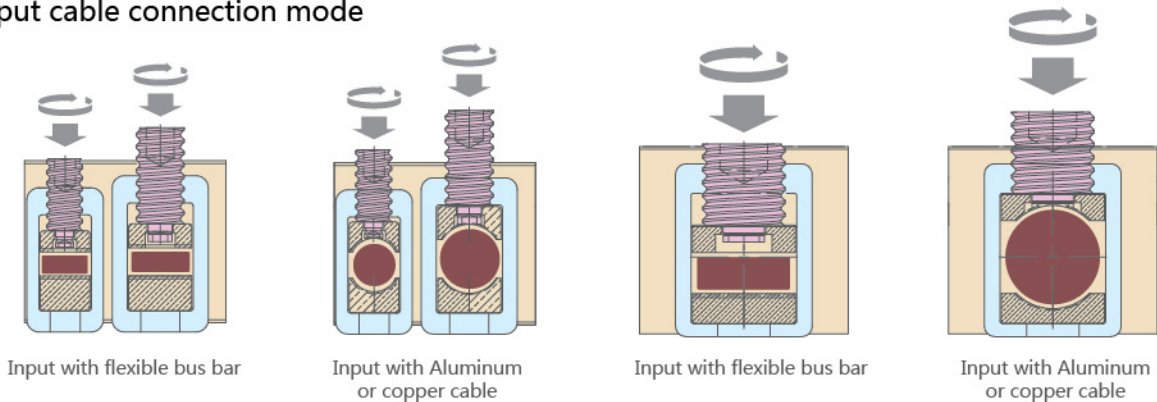


## Single pole distribution block



Terminal Connection

### Input cable connection mode





| Specification   | DB 16/6 3/4          |             |        |           | DB 35-16/16 1-1/8    |           |          |           |
|---|----------------------|-------------|--------|-----------|----------------------|-----------|----------|-----------|
| Max. Current(A)   | 80A                  |             |        |           | 125A                 |           |          |           |
| <b>Dimensions(mm)</b>   | <b>Specification</b> |             |        |           | <b>Specification</b> |           |          |           |
|   | Length               | Thickness   | Height | NS 35:7.5 | Length               | Thickness | Height   | NS 35:7.5 |
| Length/Thickness/Height NS 35:7.5/NS 35:15  | ★ 66                 | 30.2        | 48     |           | 75                   | 40        | 50       |           |
| <b>According to the standard IEC 60 947-7-1 parameters</b>  |                      |             |        |           |                      |           |          |           |
| Rated voltage(V)  | V                    | 690         |        |           | 690                  |           |          |           |
| Rated current (A)   | A                    | 80          |        |           | 125                  |           |          |           |
| Input/output cable rated cable Cross-section (mm <sup>2</sup> )   |                      | 16/16-6     |        |           | 35-16/16             |           |          |           |
| Rated impulse voltage/ The pollution grade  |                      | 2.5kV/3     |        |           | 2.5kV/3              |           |          |           |
| UL94 Flammability class   |                      | V-0         |        |           | V-0                  |           |          |           |
| <b>More data</b>  |                      |             |        |           |                      |           |          |           |
| Peak value of short-current   |                      | 22          |        |           | 30                   |           |          |           |
| short current >1 S  |                      | 3           |        |           | 4.2                  |           |          |           |
| <b>Input</b>  | <b>A</b>             | <b>B</b>    |        |           | <b>A</b>             | <b>B</b>  | <b>C</b> |           |
| Input cable terminal quantity   | 1                    |             |        |           | 1                    | 1         |          |           |
| "e" Single stranded solid wire H07V-U (mm <sup>2</sup> )  | 2.5...16             |             |        |           | 10...35              | 6...16    |          |           |
| "m" Multi-stranded solid wire H07V-R (mm <sup>2</sup> )   | 2.5...16             |             |        |           | 10...35              | 6...16    |          |           |
| "f" flexible bus bar H07V-K (mm <sup>2</sup> )  | 2.5...16             |             |        |           | 10...35              | 6...16    |          |           |
| "f" flexible with wire-end ferrules acc. DIN46228-1 H07V-R (mm <sup>2</sup> )                               | 2.5...16             |             |        |           | 10...35              | 6...16    |          |           |
| "f" flexible with wire-end ferrules acc. DIN46228-1, with plastic collars H07V-R (mm <sup>2</sup> )         | 2.5...16             |             |        |           | 10...35              | 6...16    |          |           |
| Dia. (mm)   | 6.8                  |             |        |           | 10                   | 6.8       |          |           |
| Tightening Torque (Nm)  | 1.5...3              |             |        |           | 3.5...5              | 1.5...3   |          |           |
| Compression screw type  | M6                   |             |        |           | M8                   | M6        |          |           |
| Stripping length (mm)   | 9...12               |             |        |           | 14-15                | 9-12      |          |           |
| Screwdriver blade Size  | SZS 1.0×6.5          |             |        |           | SK-S 4.0             | SK-S 3.0  |          |           |
| <b>Output</b>   | <b>A</b>             | <b>B</b>    |        |           | <b>A</b>             |           |          |           |
| Output cable terminal quantity  | 3                    | 4           |        |           | 8                    |           |          |           |
| "e" Single stranded solid wire H07V-U (mm <sup>2</sup> )  | 2.5...16             | 2.5...6     |        |           | 2.5...16             |           |          |           |
| "m" Multi-stranded solid wire H07V-R (mm <sup>2</sup> )   | 2.5...16             | 2.5...6     |        |           | 2.5...16             |           |          |           |
| "f" flexible bus bar H07V-K (mm <sup>2</sup> )  | 2.5...16             | 2.5...6     |        |           | 2.5...16             |           |          |           |
| "f" flexible bus bar with wire-end ferrules acc. DIN46228-1 H07V-R (mm <sup>2</sup> )                       | 2.5...16             | 2.5...6     |        |           | 2.5...16             |           |          |           |
| "f" flexible bus bar with wire-end ferrules acc. DIN46228-1, with plastic collars H07V-R (mm <sup>2</sup> ) | 2.5...16             | 2.5...6     |        |           | 2.5...16             |           |          |           |
| Dia. (mm)   | 6.8                  | 4.5         |        |           | 6.8                  |           |          |           |
| Tightening Torque (Nm)  | 1.5...3              | 0.8...1.5   |        |           | 1.5...3              |           |          |           |
| Compression screw type  | M6                   | M5          |        |           | M6                   |           |          |           |
| Stripping length (mm)   | 9...12               | 9...12      |        |           | 10...12              |           |          |           |
| Screwdriver blade Size/Inner hexagonal spanner  | SZS 1.0×6.5          | SZS 1.0×4.0 |        |           | SK-S 3.0             |           |          |           |
| <b>UL/CSA parameter</b>   |                      |             |        |           |                      |           |          |           |
| Voltage/current/cable size  | UL                   |             |        |           |                      |           |          |           |
| Voltage/current/cable size  | CSA                  |             |        |           |                      |           |          |           |

| Product Description.             | color | Model No.  | Packing | Code No. | Model No.         | Packing | Code No. |
|----------------------------------|-------|------------|---------|----------|-------------------|---------|----------|
| W/Aluminum or copper cable input | PA WH | DB16/6 3/4 | 1       | 8601001  | DB 35-16/16 1-1/8 | 1       | 8602001  |
|                                  |       | DB16/6 3/4 | 1       | 8601002  | DB 35-16/16 1-1/8 | 1       | 8602002  |
| W/ Flexible bus bar input        | PA GY |            |         |          | DB 35-16/16 1-1/8 | 1       | 8602003  |
|                                  |       |            |         |          | DB 35-16/16 1-1/8 | 1       | 8602004  |

| Attachment | screw driver                    | Model No.    | Code No. | Model No. | Code No. |
|------------|---------------------------------|--------------|----------|-----------|----------|
|            | Slotted                         | SZS 1.0×4.0  | 8601011  |           |          |
|            | Slotted                         | SZS 1.0×6.5  | 8601012  | SK-S 3.0  | 8601021  |
|            | Inner Hexagonal spanner7pcs set | SK-S 3.0-8.0 |          | SK-S 4.0  | 8601022  |

# DB POWER DISTRIBUTION TERMINALS



## DB 70-16/16 1-1/8

175A

### Specification

Length Thickness Height NS 35:7.5

75 40 50

690

175

70-16/16

2.5kV/3

V-0

30

11.8

**A B**

1 1

16...70 6...16

16...70 6...16

16...70 6...16

16...70 6...16

16...70 6...16

12 6.8

5 1.5...3

M10 M6

15-16 9-12

SK-S 5.0 SK-S 3.0

**A**

10

2.5...16

2.5...16

2.5...16

2.5...16

2.5...16

6.8

1.5...3

M6

10...12

SK-S 3.0

Model No. Packing Code No.

DB 70-16/6 1-1/8 1 8603001

DB 70-16/6 1-1/8 1 8603002

DB 70-16/6 1-1/8 1 8603003

DB 70-16/6 1-1/8 1 8603004

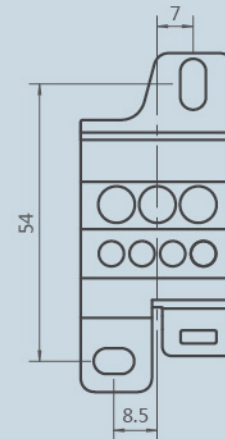
Model No. Code No.

SK-S 3.0 8601021

SK-S 5.0 8601023

## DB 16/6 3/4

| Metric | mm <sup>2</sup> | Ø   | N.m |
|--------|-----------------|-----|-----|
| ↔      | 2.5...16 ×1     | 6.8 | 3.0 |
| ↔      | 2.5...6 ×4      | 4.5 | 1.5 |
| ↔      | 2.5...16 ×2     | 6.8 | 3.0 |



## DB 35-16/6 1-1/8

W/Aluminum or copper cable input

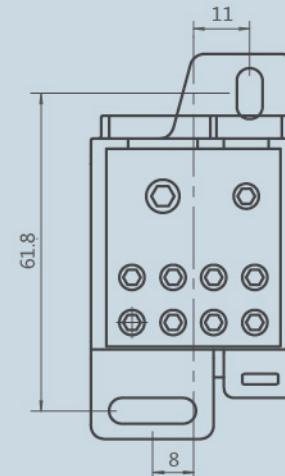
| Metric | mm <sup>2</sup> | Ø   | N.m |
|--------|-----------------|-----|-----|
| ↔      | 10...35 ×1      |     | 5.0 |
| ↔      | 6...16 ×1       | 6.8 | 3.0 |
| ↔      | 2.5...16 ×8     | 6.8 | 3.0 |

W/ Flexible bus bar input

W/ Flexible bus bar input end

9×3×0.8 - 9×6×0.8

| Metric | mm <sup>2</sup> | Ø   | N.m |
|--------|-----------------|-----|-----|
| ↔      | 10...35 ×1      |     | 5.0 |
| ↔      | 6...16 ×1       | 6.8 | 3.0 |
| ↔      | 2.5...16 ×8     | 6.8 | 3.0 |



## DB 70-16/6 1-1/8

W/Aluminum or copper cable input

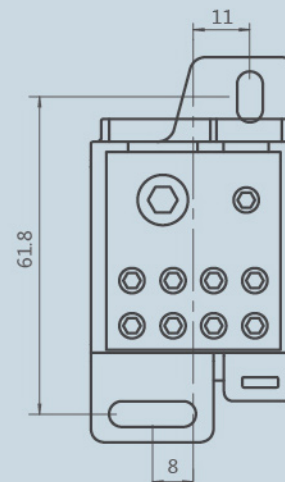
| Metric | mm <sup>2</sup> | Ø   | N.m |
|--------|-----------------|-----|-----|
| ↔      | 16...70 ×1      |     | 5.0 |
| ↔      | 6...16 ×1       | 6.8 | 3.0 |
| ↔      | 2.5...16 ×8     | 6.8 | 3.0 |

W/ Flexible bus bar input

W/ Flexible bus bar input end

13×3×0.5 - 13×6×0.5

| Metric | mm <sup>2</sup> | Ø   | N.m |
|--------|-----------------|-----|-----|
| ↔      | 16...70 ×1      |     | 5.0 |
| ↔      | 6...16 ×1       | 6.8 | 3.0 |
| ↔      | 2.5...16 ×8     | 6.8 | 3.0 |

















| Specification   | DB 120/35-16-10 1/2-5-4           | DB 185/35-16-10 1/2-5-4           |
|---|-----------------------------------|-----------------------------------|
| Max. Current(A)   | 250A                              | 400A                              |
| <b>Dimensions(mm)</b>   | <b>Specification</b>              | <b>Specification</b>              |
|   | Length Thickness Height NS 35:7.5 | Length Thickness Height NS 35:7.5 |
| Length/Thickness/Height NS 35:7.5/NS 35:15  | ★ 96 46.8 51.5                    | 96 46.8 51.5                      |
| <b>According to the standard IEC 60 947-7-1 parameters</b>  |                                   |                                   |
| Rated voltage(V)  | V 690                             | 690                               |
| Rated current (A)   | A 250                             | 400                               |
| Input/output cable rated cable Cross-section (mm <sup>2</sup> )   | 120/35-16-10                      | 185/35-16-10                      |
| Rated impulse voltage/ The pollution grade  | 2.5kV/3                           | 2.5kV/3                           |
| UL94 Flammability class   | V-0                               | V-0                               |
| <b>More data</b>  |                                   |                                   |
| Peak value of short-current   | 51                                | 51                                |
| short current >1 S  | 24.5                              | 24.5                              |
| <b>Input</b>  |                                   |                                   |
| Input cable terminal quantity   | <b>A</b> 1                        | <b>A</b> 1                        |
| "e" Single stranded solid wire H07V-U (mm <sup>2</sup> )  | 35...120                          | 95...185                          |
| "m" Multi-stranded solid wire H07V-R (mm <sup>2</sup> )   | 35...120                          | 95...185                          |
| "f" flexible bus bar H07V-K (mm <sup>2</sup> )  | 35...120                          | 95...185                          |
| "f" flexible with wire-end ferrules acc. DIN46228-1 H07V-R (mm <sup>2</sup> )                               | 35...120                          | 95...185                          |
| "f" flexible with wire-end ferrules acc. DIN46228-1, with plastic collars H07V-R (mm <sup>2</sup> )         | 35...120                          | 95...185                          |
| Dia. (mm)   | 15                                | 19                                |
| Tightening Torque (Nm)  | 19                                | 25                                |
| Compression screw type  | M12                               | M16                               |
| Stripping length (mm)   | 27...29                           | 27...29                           |
| Screwdriver blade Size  | SK-S 6.0                          | SK-S 8.0                          |
| <b>Output</b>   |                                   |                                   |
| Output cable terminal quantity  | <b>A</b> 2 <b>B</b> 5 <b>C</b> 4  | <b>A</b> 2 <b>B</b> 5 <b>C</b> 4  |
| "e" Single stranded solid wire H07V-U (mm <sup>2</sup> )  | 2.5...35 2.5...16 2.5...10        | 2.5...35 2.5...16 2.5...10        |
| "m" Multi-stranded solid wire H07V-R (mm <sup>2</sup> )   | 2.5...35 2.5...16 2.5...10        | 2.5...35 2.5...16 2.5...10        |
| "f" flexible bus bar H07V-K (mm <sup>2</sup> )  | 2.5...35 2.5...16 2.5...10        | 2.5...35 2.5...16 2.5...10        |
| "f" flexible bus bar with wire-end ferrules acc. DIN46228-1 H07V-R (mm <sup>2</sup> )                       | 2.5...35 2.5...16 2.5...10        | 2.5...35 2.5...16 2.5...10        |
| "f" flexible bus bar with wire-end ferrules acc. DIN46228-1, with plastic collars H07V-R (mm <sup>2</sup> ) | 2.5...35 2.5...16 2.5...10        | 2.5...35 2.5...16 2.5...10        |
| Dia. (mm)   | 9 6.8 6.1                         | 9 6.8 6.1                         |
| Tightening Torque (Nm)  | 3.5 2 2                           | 3.5 2 2                           |
| Compression screw type  | M10 M6 M5                         | M10 M6 M5                         |
| Stripping length (mm)   | 10...12 10...12 10...12           | 10...12 10...12 10...12           |
| Screwdriver blade Size/Inner hexagonal spanner  | SK-S 5.0 SK-S 4.0 SK-S 3.0        | SK-S 5.0 SK-S 4.0 SK-S 3.0        |
| <b>UL/CSA parameter</b>   |                                   |                                   |
| Voltage/current/cable size  | UL                                |                                   |
| Voltage/current/cable size  | CSA                               |                                   |

| Product Description.             | color | Model No.               | Packing | Code No. | Model No.               | Packing | Code No. |
|----------------------------------|-------|-------------------------|---------|----------|-------------------------|---------|----------|
| W/Aluminum or copper cable input | PA WH | DB 120/35-16-10 1/2-5-4 | 1       | 8604001  | DB 185/35-16-10 1/2-5-4 | 1       | 8605001  |
|                                  |       | DB 120/35-16-10 1/2-5-4 | 1       | 8604002  | DB 185/35-16-10 1/2-5-4 | 1       | 8605002  |
| W/ Flexible bus bar input        | PA GY | DB 120/35-16-10 1/2-5-4 | 1       | 8604003  | DB 185/35-16-10 1/2-5-4 | 1       | 8605003  |
|                                  |       | DB 120/35-16-10 1/2-5-4 | 1       | 8604004  | DB 185/35-16-10 1/2-5-4 | 1       | 8605004  |

| Attachment                        | screw driver | Model No. | Code No. | Model No. | Code No. |
|-----------------------------------|--------------|-----------|----------|-----------|----------|
| Inner Hexagonal spanner 6 pcs set |              | SK-S 3.0  | 8601021  | SK-S 3.0  | 8601021  |
|                                   |              | SK-S 4.0  | 8601022  | SK-S 4.0  | 8601022  |
|                                   |              | SK-S 5.0  | 8601023  | SK-S 5.0  | 8601023  |
|                                   |              | SK-S 6.0  | 8601024  | SK-S 8.0  | 8601025  |
|                                   |              |           |          |           |          |

## DB 120/35-16-10 1/2-5-4











W/Aluminum or copper cable input

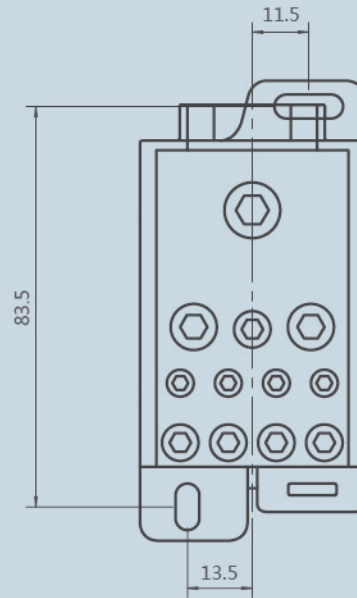
| Metric  |   $\text{mm}^2$ |    | $\emptyset$ |   | N.m |
|---|---|----|-------------|---|-----|
|  | 35...120  | x1 |             |  | 19  |
|  | 2.5...35  | x2 | 9           |  | 3.5 |
|  | 2.5...16  | x5 | 6.8         |  | 2   |
|  | 2.5...10  | x4 | 6.1         |  | 2   |

W/ Flexible bus bar input

W/ Flexible bus bar input end











15.5x2x0.8 - 15.5x6x0.8

| Metric  |   $\text{mm}^2$ |    | $\emptyset$ |   | N.m |
|---|---|----|-------------|---|-----|
|  | 35...120  | x1 |             |  | 19  |
|  | 2.5...35  | x2 | 9           |  | 3.5 |
|  | 2.5...16  | x5 | 6.8         |  | 2   |
|  | 2.5...10  | x4 | 6.1         |  | 2   |



## DB 185/35-16-10 1/2-5-4











W/Aluminum or copper cable input

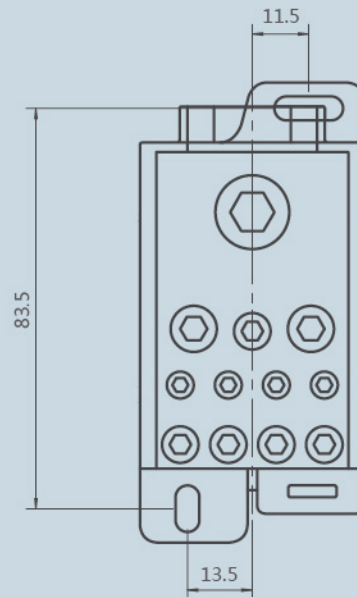
| Metric  |   $\text{mm}^2$ |    | $\emptyset$ |   | N.m |
|---|---|----|-------------|---|-----|
|  | 95...185  | x1 |             |  | 25  |
|  | 2.5...35  | x2 | 9           |  | 3.5 |
|  | 2.5...16  | x5 | 6.8         |  | 2   |
|  | 2.5...10  | x4 | 6.1         |  | 2   |

W/ Flexible bus bar input

W/ Flexible bus bar input end

20x2x1.0 - 20x6x1.0

| Metric  |   $\text{mm}^2$ |    | $\emptyset$ |   | N.m |
|---|---|----|-------------|---|-----|
|  | 95...185  | x1 |             |  | 25  |
|  | 2.5...35  | x2 | 9           |  | 3.5 |
|  | 2.5...16  | x5 | 6.8         |  | 2   |
|  | 2.5...10  | x4 | 6.1         |  | 2   |










| Specification  |                    | DB 3P-35/16 1/6      |           |          |                 | DB 3P-70/16 1/6      |           |        |           |
|--|--------------------|----------------------|-----------|----------|-----------------|----------------------|-----------|--------|-----------|
| Max. Current(A)  |                    | 125A                 |           |          |                 | 175A                 |           |        |           |
| <b>Dimensions(mm)</b>  |                    | <b>Specification</b> |           |          |                 | <b>Specification</b> |           |        |           |
|  |                    | Length               | Thickness | Height   | NS 35:7.5       | Length               | Thickness | Height | NS 35:7.5 |
| Length/Thickness/Height NS 35:7.5/NS 35:15   | ★                  | 75.5                 | 85        | 50       |                 | 75.5                 | 85        | 50     |           |
| <b>According to the standard IEC 60 947-7-1 parameters</b>                               |                    |                      |           |          |                 |                      |           |        |           |
| Rated voltage(V)   | V                  | 690                  |           |          |                 | 690                  |           |        |           |
| Rated current (A)  | A                  | 125                  |           |          |                 | 175                  |           |        |           |
| Input/output cable rated cable Cross-section   | (mm <sup>2</sup> ) | 3×35/16              |           |          |                 | 3×70/16              |           |        |           |
| Rated impulse voltage/ The pollution grade   |                    | 2.5kV/3              |           |          |                 | 2.5kV/3              |           |        |           |
| UL94 Flammability class  |                    | V-0                  |           |          |                 | V-0                  |           |        |           |
| <b>More data</b>   |                    |                      |           |          |                 |                      |           |        |           |
| Peak value of short-current  |                    | 30                   |           |          |                 | 51                   |           |        |           |
| short current >1 S   |                    | 11.8                 |           |          |                 | 24.5                 |           |        |           |
| <b>Input</b>   |                    |                      |           |          |                 |                      |           |        |           |
| Input cable terminal quantity  |                    | 3×1                  |           |          |                 | 3×1                  |           |        |           |
| "e" Single stranded solid wire H07V-U  | (mm <sup>2</sup> ) | 10...35              |           |          |                 | 16...70              |           |        |           |
| "m" Multi-stranded solid wire H07V-R   | (mm <sup>2</sup> ) | 10...35              |           |          |                 | 16...70              |           |        |           |
| "f" flexible bus bar H07V-K  | (mm <sup>2</sup> ) | 10...35              |           |          |                 | 16...70              |           |        |           |
| "f" flexible with wire-end ferrules acc. DIN46228-1 H07V-R                               | (mm <sup>2</sup> ) | 10...35              |           |          |                 | 16...70              |           |        |           |
| "f" flexible with wire-end ferrules acc. DIN46228-1, with plastic collars H07V-R         | (mm <sup>2</sup> ) | 10...35              |           |          |                 | 16...70              |           |        |           |
| Dia.   | mm                 | 10                   |           |          |                 | 12                   |           |        |           |
| Tightening Torque  | (Nm)               | 1.5...5              |           |          |                 | 5                    |           |        |           |
| Compression screw type   |                    | M8                   |           |          |                 | M10                  |           |        |           |
| Stripping length   | (mm)               | 14...15              |           |          |                 | 15...16              |           |        |           |
| Screwdriver blade Size   |                    | SK-S 4.0             |           |          |                 | SK-S 5.0             |           |        |           |
| <b>Output</b>  |                    |                      |           |          |                 |                      |           |        |           |
| Output cable terminal quantity   |                    | 3×6                  |           |          |                 | 3×6                  |           |        |           |
| "e" Single stranded solid wire H07V-U  | (mm <sup>2</sup> ) | 2.5...16             |           |          |                 | 2.5...16             |           |        |           |
| "m" Multi-stranded solid wire H07V-R   | (mm <sup>2</sup> ) | 2.5...16             |           |          |                 | 2.5...16             |           |        |           |
| "f" flexible bus bar H07V-K  | (mm <sup>2</sup> ) | 2.5...16             |           |          |                 | 2.5...16             |           |        |           |
| "f" flexible bus bar with wire-end ferrules acc. DIN46228-1 H07V-R                       | (mm <sup>2</sup> ) | 2.5...16             |           |          |                 | 2.5...16             |           |        |           |
| "f" flexible bus bar with wire-end ferrules acc. DIN46228-1, with plastic collars H07V-R | (mm <sup>2</sup> ) | 2.5...16             |           |          |                 | 2.5...16             |           |        |           |
| Dia.   | mm                 | 6.1                  |           |          |                 | 6.1                  |           |        |           |
| Tightening Torque  | (Nm)               | 3                    |           |          |                 | 3                    |           |        |           |
| Compression screw type   |                    | M6                   |           |          |                 | M6                   |           |        |           |
| Stripping length   | (mm)               | 10...12              |           |          |                 | 10...12              |           |        |           |
| Screwdriver blade Size/Inner hexagonal spanner   |                    | SK-S 3.0             |           |          |                 | SK-S 3.0             |           |        |           |
| <b>UL/CSA parameter</b>  |                    |                      |           |          |                 |                      |           |        |           |
| Voltage/current/cable size   | UL                 |                      |           |          |                 |                      |           |        |           |
| Voltage/current/cable size   | CSA                |                      |           |          |                 |                      |           |        |           |
| <b>Product Description.</b>  |                    |                      |           |          |                 |                      |           |        |           |
|  | color              | Model No.            | Packing   | Code No. | Model No.       | Packing              | Code No.  |        |           |
| W/Aluminum or copper cable input   | PA WH              | DB 3P-35/16 1/6      | 1         | 8606001  | DB 3P-70/16 1/6 | 1                    | 8607001   |        |           |
|  |                    | DB 3P-35/16 1/6      | 1         | 8606002  | DB 3P-70/16 1/6 | 1                    | 8607002   |        |           |
| W/ Flexible bus bar input  | PA GY              | DB 3P-35/16 1/6      | 1         | 8606003  | DB 3P-70/16 1/6 | 1                    | 8607003   |        |           |
|  |                    | DB 3P-35/16 1/6      | 1         | 8606004  | DB 3P-70/16 1/6 | 1                    | 8607004   |        |           |
| <b>Attachment</b>  |                    |                      |           |          |                 |                      |           |        |           |
|  | screw driver       | Model No.            |           | Code No. | Model No.       |                      | Code No.  |        |           |
| Inner Hexagonal spanner 6 pcs set  |                    | SK-S 3.0             |           | 8601021  | SK-S 3.0        |                      | 8601021   |        |           |
|  |                    | SK-S 4.0             |           | 8601022  | SK-S 5.0        |                      | 8601023   |        |           |






## DB 3P-35/16 1/6

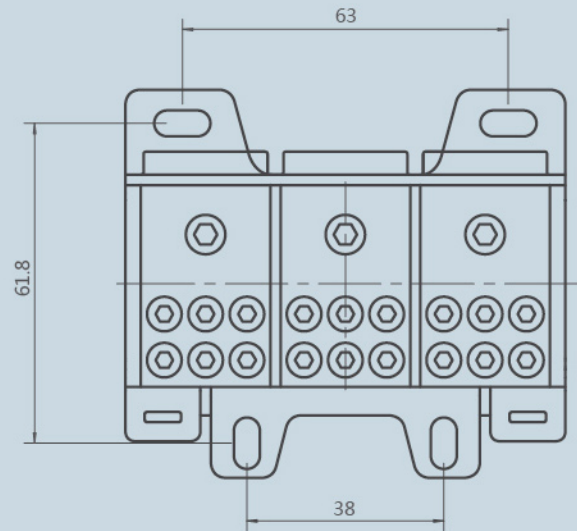
W/Aluminum or copper cable input

| Metric  |  mm <sup>2</sup> |     | Ø   |   | N.m |
|---|---|-----|-----|---|-----|
|  | 10...35   | ×3  | 10  |  | 5   |
|  | 2.5...16  | ×18 | 6.1 |  | 3   |

W/ Flexible bus bar input






| W/ Flexible bus bar input end |  |
|-------------------------------|--|
| 9×3×0.8 - 9×6×0.8             |  |

| Metric  |  mm <sup>2</sup> |     | Ø   |   | N.m |
|---|---|-----|-----|---|-----|
|  | 10...35   | ×3  |     |  | 5   |
|  | 2.5...16  | ×18 | 6.1 |  | 3   |








## DB 3P-70/16 1/6

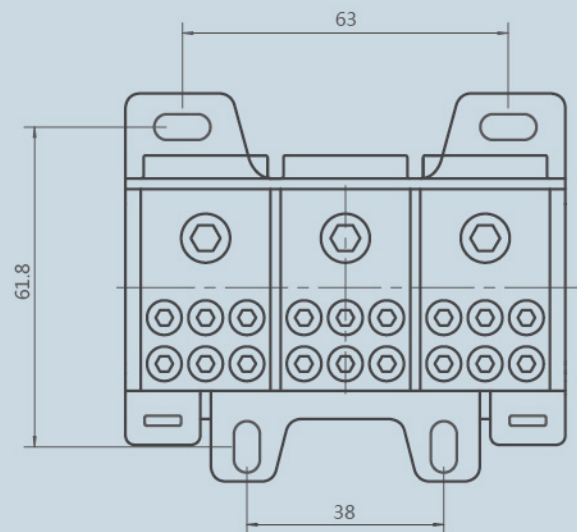
W/Aluminum or copper cable input

| Metric  |  mm <sup>2</sup> |     | Ø   |   | N.m |
|---|---|-----|-----|---|-----|
|  | 16...70   | ×3  | 12  |  | 5   |
|  | 2.5...16  | ×18 | 6.1 |  | 3   |

W/ Flexible bus bar input

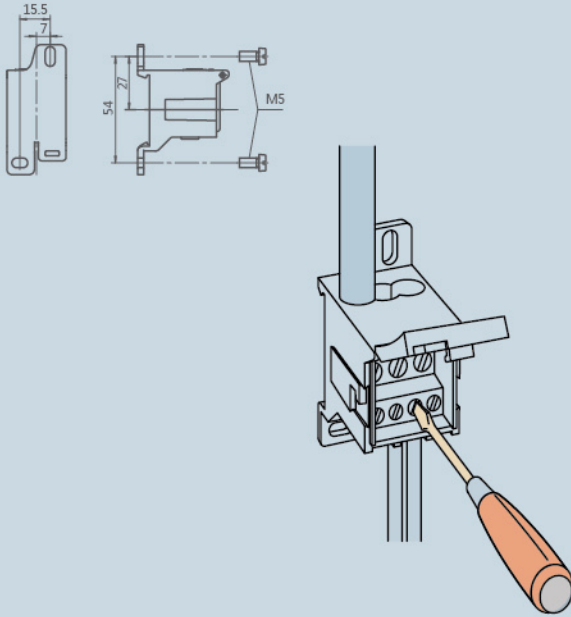
| W/ Flexible bus bar input end |  |
|-------------------------------|--|
| 13×3×0.5 - 13×6×0.5           |  |

| Metric  |  mm <sup>2</sup> |     | Ø   |   | N.m |
|---|---|-----|-----|---|-----|
|  | 16...70   | ×3  |     |  | 5   |
|  | 2.5...16  | ×18 | 6.1 |  | 3   |

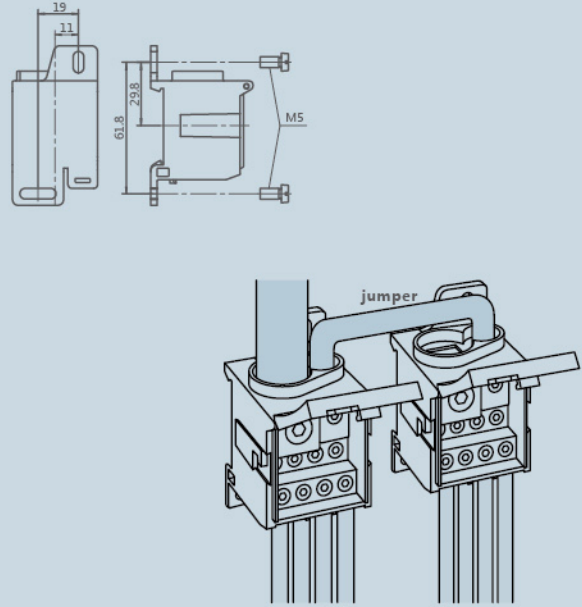


**Installation diagram**

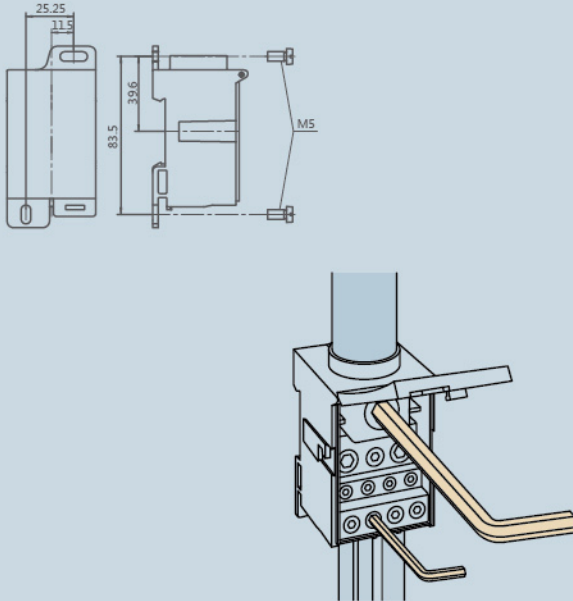
DB 16/6 3/4



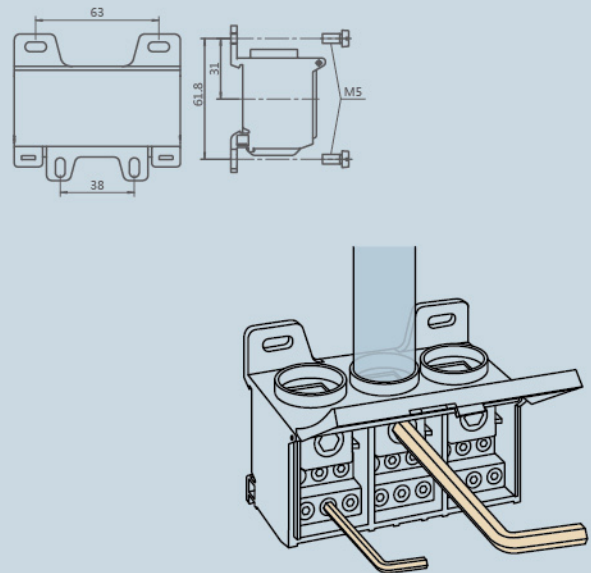
DB 35-16/6 1-1/8  
DB 70-16/6 1-1/8

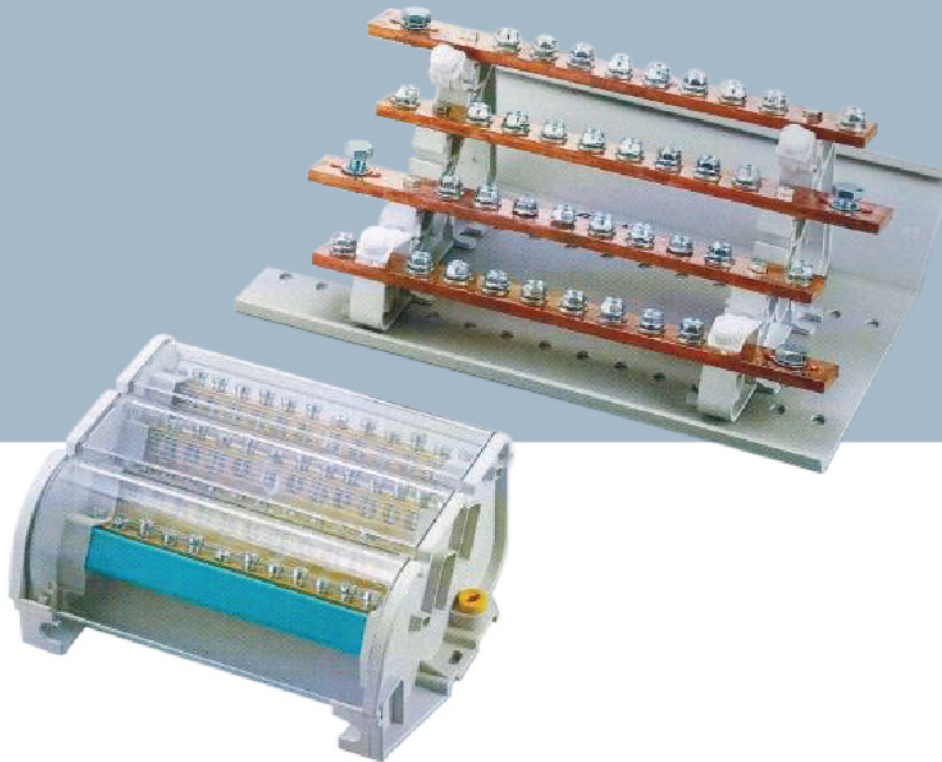


DB 120/35-16-10 1/2-5-4  
DB 185/35-16-10 1/2-5-4



DB 3P-35/16 1/6  
DB 3P-70/16 1/6





### Material

PA, Polyamide 66.UL94V-2 grade, inflaming ratarding. good resist dissolve, good bounce impact force. Working Temperature: -30°C~110°C;

PC, Polycarbonate, good glossiness, inflaming retarding, good bounce impact force. and thermal stability is great. Working Temperature: -60°C~135°C;

Brass, screw is Iron plated zinc;

Voltage: 250V/380V;

Color: clear/grey color.

| Item no. | Rated Current(A) | Rated Voltage(V) | Phase | In/Out               | Outline Dimensions(mm) |
|----------|------------------|------------------|-------|----------------------|------------------------|
| LK34-160 | 160              | 660              | 4     | 2x62+2x50+7x40+1x120 | 39.5x29.5x42           |
| LK34-200 | 200              | 660              | 4     | 10M6+1M8             | 45x37x31               |
| LK34-250 | 250              | 660              | 4     | 10M6+1M8             | 45x37x31               |
| LK34-400 | 400              | 660              | 4     | 10M6+1M8             | 52x33.5x37             |