

High-current terminal block - UKH 70-3L-F - 3076484

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



High-current terminal block, Connection method: Screw connection, Number of connections: 6, Number of positions: 3, Cross section: 16 mm² - 95 mm², AWG: 4 - 3/0, Width: 60.9 mm, Height: 80 mm, Color: gray, Mounting type: Direct screw connection

for direct mounting

Why buy this product

- Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
- Low contact resistance of the contact surface due to ribbing
- Screw locking by means of spring-loaded elements in the clamping part

Key Commercial Data

| | |
|--------------------------------------|--------------------------------|
| Packing unit | 4 STK |
| Minimum order quantity | 4 STK |
| GTIN | |
| GTIN | 4046356654067 |
| Weight per Piece (excluding packing) | 487.900 g |
| Custom tariff number | 85369010 |
| Country of origin | China |
| Note | Made to Order (non-returnable) |

Technical data

General

| | |
|--|--------------------|
| Number of positions | 3 |
| Number of levels | 1 |
| Number of connections | 6 |
| Potentials | 3 |
| Nominal cross section | 70 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |

High-current terminal block - UKH 70-3L-F - 3076484

Technical data

General

| | |
|---|--|
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overtoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 6.27 W |
| Maximum load current | 192 A (in case of a 70 mm ² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.) |
| Nominal current I _N | 192 A |
| Nominal voltage U _N | 1000 V |
| Open side panel | No |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| 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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| 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 |

Dimensions

| | |
|--------|----------|
| Width | 60.9 mm |
| Length | 103.4 mm |
| Height | 80 mm |

Connection data

| | |
|------------------------------------|--|
| Connection method | Screw connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Note | Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. |
| Conductor cross section solid min. | 16 mm ² |
| Conductor cross section solid max. | 95 mm ² |
| Conductor cross section AWG min. | 4 |
| Conductor cross section AWG max. | 3/0 |

High-current terminal block - UKH 70-3L-F - 3076484

Technical data

Connection data

| | |
|---|--------------------|
| Conductor cross section flexible min. | 25 mm ² |
| Conductor cross section flexible max. | 70 mm ² |
| Min. AWG conductor cross section, flexible | 3 |
| Max. AWG conductor cross section, flexible | 2/0 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 16 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 70 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 16 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 70 mm ² |
| 2 conductors with same cross section, solid min. | 16 mm ² |
| 2 conductors with same cross section, solid max. | 25 mm ² |
| 2 conductors with same cross section, stranded min. | 16 mm ² |
| 2 conductors with same cross section, stranded max. | 25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 16 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 25 mm ² |
| Stripping length | 24 mm |
| Internal cylindrical gage | A11 |
| Screw thread | M8 |
| Tightening torque, min | 8 Nm |
| Tightening torque max | 10 Nm |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

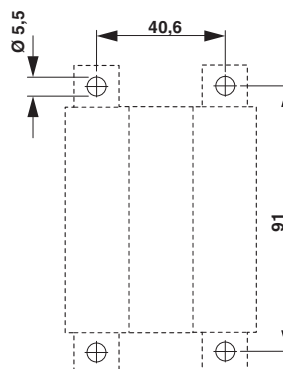
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Circuit diagram

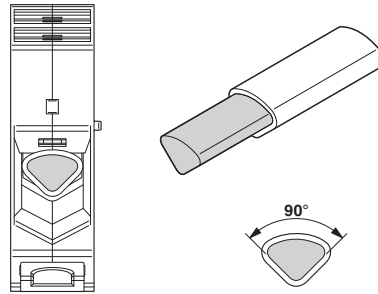


Dimensional drawing



High-current terminal block - UKH 70-3L-F - 3076484

Schematic diagram



Connecting aluminum cables. Further notes can be found in the download area

Approvals

Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

| | | |
|-----|--|---------------------|
| EAC | | 7500651.22.01.00246 |
|-----|--|---------------------|

| | | | |
|--------------------------------|--------|---|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| mm ² /AWG/kcmil | 6-3/0 | 6-3/0 | |
| Nominal current I _N | 192 A | 192 A | |
| Nominal voltage U _N | 1000 V | 1000 V | |

| | | | |
|--------------------------------|--------|---|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| mm ² /AWG/kcmil | 6-3/0 | 6-3/0 | |
| Nominal current I _N | 192 A | 192 A | |
| Nominal voltage U _N | 1000 V | 1000 V | |

High-current terminal block - UKH 70-3L-F - 3076484

Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>