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Especialistas en Automatización

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## High-current terminal block - UKH 50-3L/N/FE-F - 3076641

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High-current terminal block, Connection method: Screw connection, Number of positions: 5, Cross section: 16 mm<sup>2</sup> - 70 mm<sup>2</sup>, AWG: 6 - 2/0, Width: 100 mm, Height: 76 mm, Color: gray/blue/black-yellow, Mounting type: ct 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 | 2 STK   |
| GTIN         | <br>4 046356 707152 |

### Technical data

#### General

|  |   |
|--|---|
| Number of levels                       | 1   |
| Number of connections                  | 10  |
| Nominal cross section                  | 50 mm <sup>2</sup>                                      |
| Color                                  | gray/blue/black-yellow                                  |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V0  |
| Rated surge voltage                    | 8 kV  |
| Degree of pollution                    | 3   |
| Overvoltage category                   | III   |
| Insulating material group              | I   |
| Connection in acc. with standard       | IEC 60947-7-1   |
| Maximum load current                   | 150 A (with 50 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>         | 150 A   |
| Nominal voltage U <sub>N</sub>         | 1000 V  |
| Open side panel                        | No  |
| Number of positions                    | 5   |

#### Dimensions

# High-current terminal block - UKH 50-3L/N/FE-F - 3076641

## Technical data

### Dimensions

|        |          |
|--------|----------|
| Width  | 100 mm   |
| Length | 103.4 mm |
| Height | 76 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 <sup>2</sup>   |
| Conductor cross section solid max.  | 70 mm <sup>2</sup>   |
| Conductor cross section AWG min.  | 6  |
| Conductor cross section AWG max.  | 2/0  |
| Conductor cross section flexible min.   | 25 mm <sup>2</sup>   |
| Conductor cross section flexible max.   | 70 mm <sup>2</sup>   |
| 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.            | 25 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule without plastic sleeve max.            | 50 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.               | 25 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve max.               | 50 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid min.                                      | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid max.                                      | 16 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded min.                                   | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded max.                                   | 16 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 16 mm <sup>2</sup>   |
| Stripping length  | 24 mm  |
| Internal cylindrical gage   | B10  |
| Screw thread  | M6   |
| Tightening torque, min  | 6 Nm   |
| Tightening torque max   | 8 Nm   |

### Standards and Regulations

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

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141120 |
|------------|----------|

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.1 | 27141120 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

### Approvals

#### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

#### Approval details

|     |
|-----|
| EAC |
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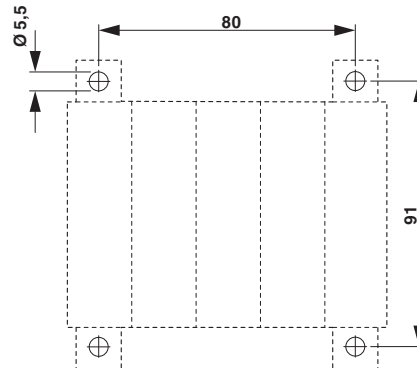
### Drawings

## High-current terminal block - UKH 50-3L/N/FE-F - 3076641

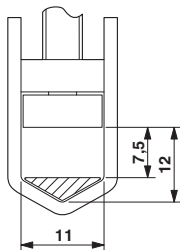
Circuit diagram



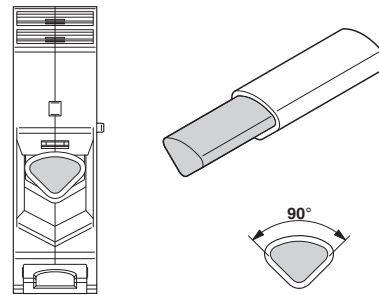
Dimensional drawing



Dimensional drawing



Schematic diagram



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

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|--|---------|----------------------|----------------------------|
| Feed-through terminal block, Connection method: Screw connection, Number of positions: 5, Cross section: 16 mm <sup>2</sup> - 70 mm <sup>2</sup> , AWG: 6 - 2/0, Width: 100 mm, Height: 76 mm, Color: Gray/blue/black-yellow, Mounting type: Direct screw connection | 3076641 | UKH 50-3L/<br>N/FE-F | <a href="#">Buy on EAN</a> |