

## Feed-through terminal block - USK 4-FSR(4-2,8-0,8) - 0270018

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Feed-through terminal block, Connection type: Screw connection, Slip-on connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG :24- 12, Width: 6.2 mm, Color: gray, Mounting: NS 35/7,5, NS 35/15



### Key Commercial Data

|                                      |  |
|--------------------------------------|--|
| Packing unit                         | 1 pc   |
| GTIN                                 | <br>4 017918 000103 |
| Weight per Piece (excluding packing) | 7.62 g   |
| Custom tariff number                 | 85369010   |
| Country of origin                    | Poland   |

### Technical data

#### General

|  |   |
|--|---|
| Number of levels                       | 1   |
| Number of connections                  | 2   |
| Nominal cross section                  | 4 mm <sup>2</sup>                                     |
| Color                                  | gray  |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V2  |
| Rated surge voltage                    | 8 kV  |
| Pollution degree                       | 3   |
| Overvoltage category                   | III   |
| Insulating material group              | I   |
| Connection method                      | Screw connection                                      |
| Maximum load current                   | 32 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>         | 32 A  |

## Feed-through terminal block - USK 4-FSR(4-2,8-0,8) - 0270018

### Technical data

#### General

|                       |                    |
|-----------------------|--------------------|
| Nominal voltage $U_N$ | 800 V              |
| Connection method     | Slip-on connection |
| Open side panel       | ja                 |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 6.2 mm  |
| Length           | 42.5 mm |
| Height NS 35/7,5 | 45.5 mm |
| Height NS 35/15  | 53 mm   |
| Height NS 32     | 50.5 mm |
| End cover width  | 1.3 mm  |

#### Connection data

|   |                      |
|---|----------------------|
| Connection method   | Screw connection     |
| Screw thread  | M3                   |
| Tightening torque, min  | 0.6 Nm               |
| Tightening torque max   | 0.8 Nm               |
| Stripping length  | 9 mm                 |
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 12                   |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 4 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible  | 24                   |
| Max. AWG conductor cross section, flexible  | 12                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.            | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.            | 4 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.               | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.               | 2.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.                                       | 2.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, stranded max.                                    | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                                      | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                      | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                                   | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                   | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm <sup>2</sup> |

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### Technical data

#### Connection data

|   |   |
|---|---|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup>                                   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>                                   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm <sup>2</sup>                                   |
| Nominal current I <sub>N</sub>  | 32 A  |
| Maximum load current  | 32 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal voltage U <sub>N</sub>  | 800 V   |
| Internal cylindrical gage   | A3  |
| Connection method   | Slip-on connection                                    |

#### Standards and Regulations

|  |     |
|--|-----|
| Connection in acc. with standard       | CSA |
| Flammability rating according to UL 94 | V2  |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141120 |
| 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 2.0 | EC000897 |
| 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 |

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121410 |
|-------------|----------|

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / PRS / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

|                                |       |
|--------------------------------|-------|
| CSA                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 28-12 |
| Nominal current I <sub>N</sub> | 20 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
| mm <sup>2</sup> /AWG/kcmil     | 28-12 |
| Nominal current I <sub>N</sub> | 20 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|                            |       |
|----------------------------|-------|
| cUL Recognized             |       |
| mm <sup>2</sup> /AWG/kcmil | 28-12 |


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### Approvals

|                                |       |
|--------------------------------|-------|
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PRS

EAC

cULus Recognized  US

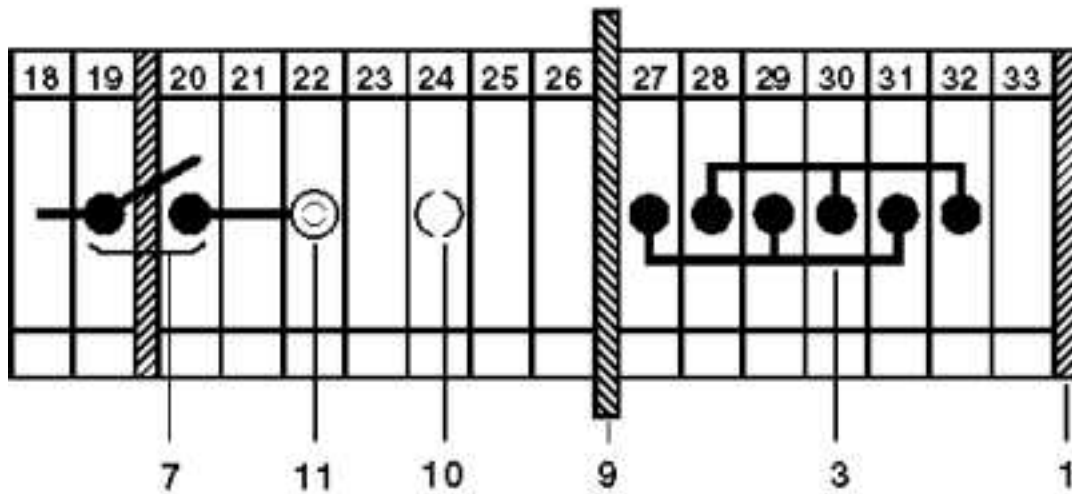
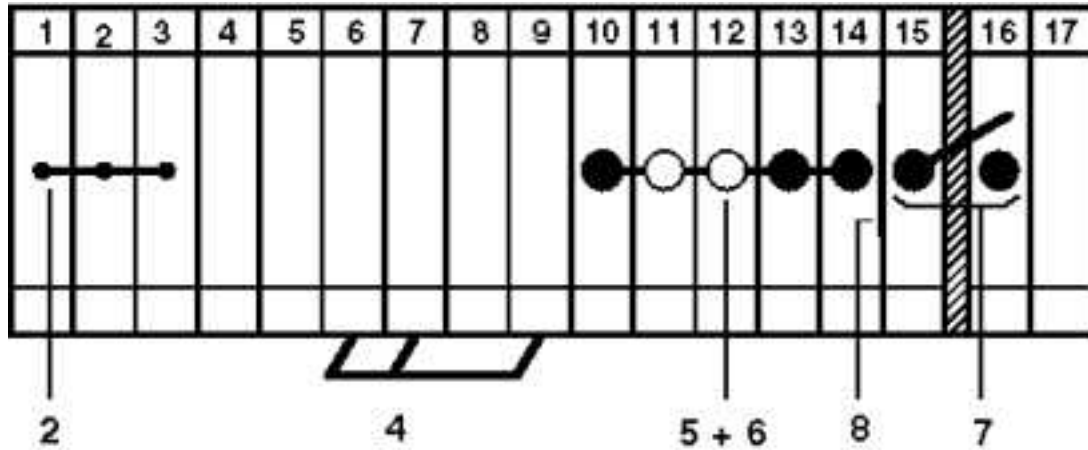
### Drawings

# Feed-through terminal block - USK 4-FSR(4-2,8-0,8) - 0270018

Circuit diagram



Circuit diagram



- 1 = cover
- 2 = fixed bridge
- 3 = L-bridge
- 4 = insertion bridge
- 5 = isolator bridge bar
- 6 = bridge bar isolator
- 7 = switch bar for 2 terminal blocks
- 8 = separating plate
- 9 = partition plate
- 10 = test plug socket, for test connection with test plug MPS or adapter plug RPS
- 11 = test plug socket, insulated, can only be used with FBI, ISSBI

