

## Feed-through terminal block - UW 4 - 3073306

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Feed-through terminal block, Connection method: Screw connection, Load current : 41 A, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG 24 - 12, Connection direction of the conductor to plug-in direction: 0 °, Width: 8.1 mm, Color: gray

### Why buy this product

- Easy grouping with engagement pin versions
- Both terminal halves can be easily assembled by simply snapping them together
- Touch-proof insulating housing in a new design
- Molded type ensures maximum seal and is available with a slip-on or solder connection.
- Spacer plates increase air and creepage distances
- Universal screw connection with screw locking
- Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing



### Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 0   |
| Minimum order quantity | 1   |
| Catalog page           | Page 662 (CC-2011)  |
| GTIN                   | <br>4 046356 344258 |
| Custom tariff number   | 85369010  |
| Country of origin      | CHINA   |

### Technical data

#### General

|   |      |
|---|------|
| Number of levels                        | 1    |
| Number of connections                   | 2    |
| Color                                   | gray |
| Insulating material                     | PA   |
| Inflammability class according to UL 94 | V0   |

#### Dimensions

|       |        |
|-------|--------|
| Width | 8.1 mm |
|-------|--------|

#### Technical data

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### Technical data

#### Technical data

|   |                                     |
|---|-------------------------------------|
| Maximum load current  | 41 A                                |
| Rated surge voltage   | 6 kV                                |
| Pollution degree  | 3                                   |
| Surge voltage category  | III                                 |
| Insulating material group   | I                                   |
| Connection in acc. with standard  | IEC 60947-7-1                       |
| Nominal current I <sub>N</sub>  | 32 A                                |
| Nominal voltage U <sub>N</sub>  | 500 V (with spacer plate)           |
| Open side panel   | nein                                |
| Number of positions   | 2                                   |
| Shock protection test specification   | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection   | guaranteed                          |
| Finger protection   | guaranteed                          |
| Surge voltage test setpoint   | 7.3 kV                              |
| Result of surge voltage test  | Test passed                         |
| Power frequency withstand voltage setpoint                                      | 1.89 kV                             |
| Result of power-frequency withstand voltage test                                | Test passed                         |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                         |
| Bending test rotation speed   | 10 rpm                              |
| Bending test turns  | 135                                 |
| Bending test conductor cross section/weight                                     | 0.25 mm <sup>2</sup> / 0.2 kg       |
| Bending test conductor cross section/weight                                     | 4 mm <sup>2</sup> / 0.9 kg          |
| Bending test conductor cross section/weight                                     | 6 mm <sup>2</sup> / 1.4 kg          |
| Result of bending test  | Test passed                         |
| Conductor cross section tensile test  | 0.25 mm <sup>2</sup>                |
| Tractive force setpoint   | 10 N                                |
| Conductor cross section tensile test  | 4 mm <sup>2</sup>                   |
| Tractive force setpoint   | 60 N                                |
| Conductor cross section tensile test  | 6 mm <sup>2</sup>                   |
| Tractive force setpoint   | 80 N                                |
| Tensile test result   | Test passed                         |
| Requirements, voltage drop  | ≤ 3.2 mV                            |
| Result of voltage drop test   | Test passed                         |
| Temperature-rise test   | Test passed                         |
| Conductor cross section short circuit testing                                   | 4 mm <sup>2</sup>                   |
| Short-time current  | 0.48 kA                             |
| Conductor cross section short circuit testing                                   | 6 mm <sup>2</sup>                   |
| Short-time current  | 0.72 kA                             |
| Short circuit stability result  | Test passed                         |
| Proof of thermal characteristics (needle flame) effective duration              | 30 s                                |
| Result of thermal test  | Test passed                         |

#### Connection data

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## Technical data

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 6 mm <sup>2</sup>    |
| Conductor cross section stranded min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.   | 4 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.  | 24                   |
| Conductor cross section AWG/kcmil max   | 10                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 4 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.  | 1.5 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> |
| 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>  |
| Cross section with insertion bridge, solid max.   | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                      | 2.5 mm <sup>2</sup>  |
| Connection method   | Screw connection     |
| Stripping length  | 9 mm                 |
| Internal cylindrical gage   | A4                   |
| Screw thread  | M3                   |
| Tightening torque, min  | 0.6 Nm               |
| Tightening torque max   | 0.8 Nm               |

## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141131 |
| eCl@ss 4.1 | 27141131 |
| eCl@ss 5.0 | 27141134 |
| eCl@ss 5.1 | 27141134 |
| eCl@ss 6.0 | 27141134 |
| eCl@ss 7.0 | 27141134 |

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## Classifications

### etim

|          |          |
|----------|----------|
| ETIM 2.0 | EC001283 |
| ETIM 3.0 | EC001283 |
| ETIM 4.0 | EC001283 |
| ETIM 5.0 | EC001283 |

### unspsc

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

## Approvals

### Approvals


Approvals


UL Recognized / GOST

Ex Approvals

Approvals submitted

### Approval details

|   |       |       |       |
|---|-------|-------|-------|
| UL Recognized  |       |       |       |
|   | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 24-10 | 24-10 | 24-10 |
| Nominal current IN  | 30 A  | 30 A  | 5 A   |
| Nominal voltage UN  | 300 V | 300 V | 600 V |

|  |  |  |  |
|--|--|--|--|
| GOST  |  |  |  |
|--|--|--|--|

## Accessories

Accessories

Bridges

## Feed-through terminal block - UW 4 - 3073306

### Accessories

Insertion bridge - EBS 2- 8 - 3118151



Insertion bridge, Number of positions: 2, Color: gray

Insertion bridge - EBS 3- 8 - 3118148



Insertion bridge, Number of positions: 3, Color: gray

Insertion bridge - EBS 10- 8 - 3118135



Insertion bridge, Number of positions: 10, Color: gray

### Marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Marker for terminal blocks - UC-TM 6 - 0818085



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Bluemark, Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

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### Accessories

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Marker for terminal blocks - TMT 6 R - 0816498



Marker for terminal blocks, Roll, white, Unlabeled, Can be labeled with: Thermomark R, Thermomark X, Thermomark S, Perforated, Mounting type: Snap into universal marker groove, Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 6.35 x 6.15 mm

Marker for terminal blocks - TMT (EX9,5)R - 0828295



Marker for terminal blocks, Roll, white, Unlabeled, Can be labeled with: Thermomark R, Thermomark X, Thermomark S, Mounting type: Snap into universal marker groove, Snap into flat marker groove

### Tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Spacer plate - DP-UW 4 - 3074499



Spacer plate, Color: gray

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## Accessories

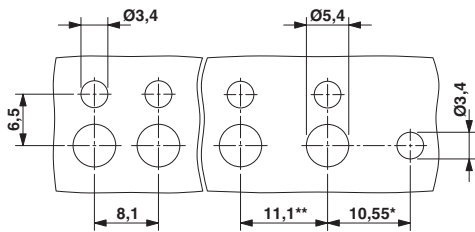
Flange cover - UW 4-F - 3074512



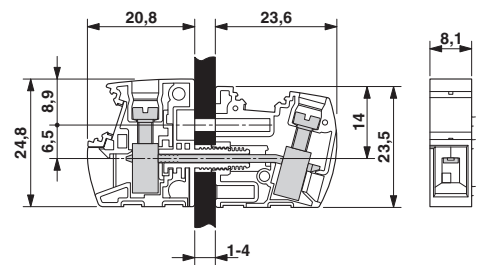
Flange cover, Color: gray

## Drawings

Dimensioned drawing



Dimensioned drawing



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