

Panel feed-through terminal block - UW 16-POT - 3073487

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>)



Panel feed-through terminal block, connection method: Screw connection, Cable lug connection, number of positions: 1, load current: 101 A, cross section: 6 mm² - 25 mm², AWG 10 - 4, connection direction of the conductor to plug-in direction: 0 °, width: 12.1 mm, color: gray

The figure shows a 7-position version

Your advantages

- ✓ 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 versions ensure maximum tightness of seal
- ✓ Universal screw connection with screw locking
- ✓ Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing
- ✓ Spacer plates increase clearances and creepage distances
- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Tool-free snap-in principle enables easy mounting on the device panel
- ✓ Automatic panel thickness compensation enables universal use
- ✓ Reliable seal even with low-viscosity molding compounds



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 50 pc |
| GTIN | |
| GTIN | 4046356344654 |

Technical data

General

| | |
|-----------------------|--------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 16 mm ² |

Panel feed-through terminal block - UW 16-POT - 3073487

Technical data

General

| | |
|--|---|
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Maximum load current | 101 A (with 25 mm ² conductor cross section) |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current I _N | 76 A |
| Maximum load current | 101 A (with 25 mm ² conductor cross section) |
| Nominal voltage U _N | 800 V (with spacer plate) |
| Open side panel | No |
| Number of positions | 1 |

Dimensions

| | |
|-----------------|---------------|
| Width | 12.1 mm |
| Pitch | 12.1 mm |
| Plate thickness | 1 mm ... 6 mm |

Connection data

| | |
|---|--|
| Note | Terminal sleeve |
| Connection side | outside |
| Connection method | Screw connection |
| 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. | 6 mm ² |
| Conductor cross section solid max. | 25 mm ² |
| Conductor cross section flexible min. | 6 mm ² |
| Conductor cross section flexible max. | 16 mm ² |
| Conductor cross section AWG min. | 10 |
| Conductor cross section AWG max. | 4 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 6 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 6 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 16 mm ² |
| 2 conductors with same cross section, solid min. | 2.5 mm ² |
| 2 conductors with same cross section, solid max. | 10 mm ² |
| 2 conductors with same cross section, stranded min. | 2.5 mm ² |
| 2 conductors with same cross section, stranded max. | 6 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 4 mm ² |

Panel feed-through terminal block - UW 16-POT - 3073487

Technical data

Connection data

| | |
|---|----------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 6 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 4 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² |
| Stripping length | 16 mm |
| Internal cylindrical gage | B7 |
| Screw thread | M5 |
| Tightening torque, min | 2 Nm |
| Tightening torque max | 2.3 Nm |
| Connection side | inside |
| Connection method | Cable lug connection |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | UL |
| | 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 |

Approvals


Approvals

Approvals

CSA / EAC / cULus Recognized

Ex Approvals


Approval details

| | | | |
|----------------------------|---|---|----------------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 2618381-158887 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 80 A | 80 A | |
| mm ² /AWG/kcmil | 10-4 | 10-4 | |

Panel feed-through terminal block - UW 16-POT - 3073487

Approvals

| | | |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

| | | | |
|------------------|---|---|-----------------|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-20100423 |
|------------------|---|---|-----------------|

| | B | C |
|----------------------------|-------|-------|
| Nominal voltage UN | 600 V | 600 V |
| Nominal current IN | 85 A | 85 A |
| mm ² /AWG/kcmil | 10-4 | 10-4 |

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>