

Panel feed-through - Q 1,5/4A50/24-M20KU-ESA-BK - 1585045

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Panel feed-through, with wire output 1.5 mm² and 0.5 m litz wire: connecting thread: M20x1.5, 4-pos., black



Product Features

- ✓ Innovative and time saving - QUICKON fast connection for time saving of up to 80% for on-site connection
- ✓ Convenient: quick and easy assembly without special tools
- ✓ Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- ✓ Safer connection thanks to polarization against mismatching and touch-proof protection according to DIN EN 0105
- ✓ Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 PCE |
| Weight per Piece (excluding packing) | 60.81 GRM |
| Custom tariff number | 85444290 |
| Country of origin | Poland |

Technical data

General

| | |
|--------------------------------------|---|
| Connection | If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load. |
| Length of cable | 0.5 m |
| Color | black |
| Connection method | QUICKON connection |
| | Single litz wires 50 cm long; 1.5 mm ² |
| Note on the internal connection type | Pos. 1: Brown; pos. 2: White; pos. 3: Blue; pos. 4: Black |
| Number of positions | 4 |
| Wrench size, union nut | 19 mm |
| Tightening torque, union nut | 3 Nm |

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Technical data

General

| | |
|--|----------------------|
| Wrench size, contact carrier | 24 mm |
| Tightening torque contact carrier | 4.5 Nm |
| Tightening torque, counter nut | 4.5 Nm |
| Number of connections | 4 |
| Conductor cross section stranded min. | 0.75 mm ² |
| Conductor cross section stranded max. | 1.5 mm ² |
| Conductor cross section solid min. | 0.75 mm ² |
| Conductor cross section solid max. | 1 mm ² |
| Conductor cross section AWG/kcmil min. | 18 |
| Conductor cross section AWG/kcmil max | 16 |

Conductor

| | |
|---|--------------------------------------|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 1 to 6 / min. 0.15 mm |
| Wire insulation material | PVC/PE |
| Wire diameter including insulation | >= 1.8 mm ... 3 mm |
| External cable diameter | 6 mm ... 12 mm |

Ambient conditions

| | |
|--------------------------------------|---|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -40 °C ... 80 °C (specifications of the cable manufacturer must also be observed) |
| | -25 °C ... 50 °C (when the conductor is connected. Specifications of the cable manufacturer must also be observed.) |
| Temperature when conductor connected | -5 °C ... 50 °C (specifications of the cable manufacturer must also be observed) |

Electrical characteristics

| | |
|-----------------------------------|---|
| Nominal current I _N | 15 A |
| Rated current | 15 A |
| Rated voltage (III/3) | 500 V |
| Note on the rated voltage (III/3) | with insulating sleeve PT/FS 4,8. Without insulating sleeve 250 V AC. |
| Rated voltage (III/2) | 800 V |
| Note on the rated voltage (III/2) | with insulating sleeve |
| Rated voltage (II/2) | 1000 V |
| Note on the rated voltage (II/2) | with insulating sleeve |
| Rated surge voltage (III/3) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (II/2) | 6 kV |

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Mechanical characteristics

| | |
|------------------------|---|
| QUICKON connectability | max. 10 (if the conductor is connected more than once, seal and cap may need to be replaced.) |
| PC QUICKON thread type | M20 |
| Impact category | 3 |

Material data

| | |
|---|------------|
| Contact material | CuZn |
| Contact surface material | Tin-plated |
| Contact carrier material | PA |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Surge voltage category | III |
| Pollution degree | 3 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27449001 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001297 |
| ETIM 3.0 | EC000516 |
| ETIM 4.0 | EC000516 |
| ETIM 5.0 | EC000516 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |

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Approvals

Approvals


Approvals


UL Recognized / VDE Zeichengenehmigung / cUL Recognized / GOST / cULus Recognized


Ex Approvals


Approvals submitted

Approval details

| | |
|--|-------|
| UL Recognized  | |
| Nominal current IN | 15 A |
| Nominal voltage UN | 250 V |

| | |
|--|----------|
| VDE Zeichengenehmigung  | |
| mm ² /AWG/kcmil | 0.75-1.5 |
| Nominal voltage UN | 500 V |

| | |
|--|-------|
| cUL Recognized  | |
| Nominal current IN | 11 A |
| Nominal voltage UN | 250 V |

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

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Approvals



Accessories

Accessories

Insulating sleeve

Insulating sleeve - PT/FS 4,8 - 1670497



Insulating sleeve, as touch protection, for 4.8 mm slip-on sleeves, slide onto the conductor before

Mounting material

Nut - Q-MU M20 - 1640702



Nut (plastic) to lock the contact carrier from the inside of the device

Sealing plugs

Closing cap - SEALING PLUG 12X22 RD - 1400260



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 12 mm

Socket spanner

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Accessories

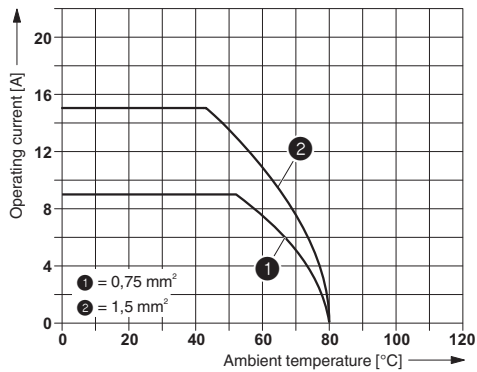
Socket wrench - QSS 19 - 1670895



Socket wrench, for tightening and unscrewing the QUICKON union nut, wrench size 19 mm

Drawings

Diagram



Dimensioned drawing

