

## Panel feed-through - Q 1,5/4FL/16-M25KU-ESA - 1640676

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Panel feed-through, for external wall mounting, with manual solder/slip-on connection, 4.8 x 0.8 mm

### Your advantages

- ✓ Robust throughout: housing with IP65/IP67 protection for a wide range of applications

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 10 pc                                                                                                   |
| GTIN         | <br>4 017918 188757 |
| GTIN         | 4017918188757                                                                                           |

### 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. |
| Color                                 | green                                                                                                                                         |
| Locking type                          | Screw locking                                                                                                                                 |
| Connection method                     | QUICKON connection                                                                                                                            |
|                                       | Manual solder/slip on connection                                                                                                              |
| Number of positions                   | 4                                                                                                                                             |
| Wrench size, union nut                | 27 mm                                                                                                                                         |
| Tightening torque, union nut          | 3.3 Nm                                                                                                                                        |
| Wrench size, contact carrier          | 30 mm                                                                                                                                         |
| Tightening torque contact carrier     | 5 Nm                                                                                                                                          |
| Tightening torque, counter nut        | 5 Nm                                                                                                                                          |
| Number of connections                 | 4                                                                                                                                             |
| Conductor cross section flexible min. | 0.75 mm <sup>2</sup>                                                                                                                          |
| Conductor cross section flexible max. | 1.5 mm <sup>2</sup>                                                                                                                           |

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## Technical data

### General

|                                    |                      |
|------------------------------------|----------------------|
| Conductor cross section solid min. | 0.75 mm <sup>2</sup> |
| Conductor cross section solid max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 18                   |
| Conductor cross section AWG max.   | 16                   |

### Cabel

|                                                                             |                                            |
|-----------------------------------------------------------------------------|--------------------------------------------|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 Cl.2-5, min. wire diameter 0.2 mm |
| Wire insulation material                                                    | PVC / PE                                   |
| Wire diameter including insulation                                          | ≥ 3 mm                                     |
| External cable diameter                                                     | 6 mm ... 12 mm                             |
| Position marking                                                            | 1, 2, 3, 4                                 |

### Ambient conditions

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

### Electrical characteristics

|                                   |                        |
|-----------------------------------|------------------------|
| Nominal current I <sub>N</sub>    | 17.5 A                 |
| Nominal voltage U <sub>N</sub>    | 250 V AC               |
|                                   | 250 V DC               |
| Rated current                     | 17.5 A                 |
| Rated voltage (III/3)             | 250 V                  |
| Note on the rated voltage (III/3) | with insulating sleeve |
| Rated surge voltage (III/3)       | 6 kV                   |

### Mechanical characteristics

|                        |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| QUICKON connectability | 10 (if the conductor is connected more than once, seal and cap may need to be replaced.) |
| PC QUICKON thread type | M25 x 1,5 VDE approval available                                                         |

### Material data

|                                        |                                  |
|----------------------------------------|----------------------------------|
| Contact material                       | Copper alloy                     |
| Contact surface material               | Pre-nickel plated and tin-plated |
| Contact carrier material               | PA 6.6                           |
| Flammability rating according to UL 94 | V0                               |
| Overvoltage category                   | III                              |
| Degree of pollution                    | 3                                |

### Standards and Regulations

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

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## Technical data

### Standards and Regulations

|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | V0 |
|----------------------------------------|----|

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440602 |
| eCl@ss 4.0    | 27140800 |
| eCl@ss 4.1    | 27140800 |
| eCl@ss 5.0    | 27143400 |
| eCl@ss 5.1    | 27143400 |
| eCl@ss 6.0    | 27143400 |
| eCl@ss 7.0    | 27440602 |
| eCl@ss 8.0    | 27440602 |
| eCl@ss 9.0    | 27440602 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001297 |
| ETIM 3.0 | EC000516 |
| ETIM 4.0 | EC000516 |
| ETIM 5.0 | EC002566 |
| ETIM 6.0 | EC002566 |
| ETIM 7.0 | EC002566 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121413 |
| UNSPSC 18.0   | 39121522 |
| UNSPSC 19.0   | 39121522 |
| UNSPSC 20.0   | 39121522 |
| UNSPSC 21.0   | 39121522 |

## Approvals

### Approvals

## Panel feed-through - Q 1,5/4FL/16-M25KU-ESA - 1640676

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / EAC / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
|                    |                                                                                   |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                   | 250 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                   | 15 A                                                                                                                                                  |               |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
|                    |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                     | 250 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                     | 11 A                                                                                                                                                  |               |

|     |                                                                                     |               |
|-----|-------------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-------------------------------------------------------------------------------------|---------------|

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01102 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| cULus Recognized |  |
|------------------|-------------------------------------------------------------------------------------|

### Accessories

#### Accessories

Electronics pliers

## Panel feed-through - Q 1,5/4FL/16-M25KU-ESA - 1640676

### Accessories

Diagonal cutter - MICROFOX-SB - 1212489



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

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### 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

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### Mounting material

Nut - Q-MU M20 - 1640702



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

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### Sealing plugs

Filler plugs - Q-PROT13/16 - 1670222



Closing caps, for Pg13/ Pg16, for closing unoccupied connections

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### Socket spanner

Socket wrench - QSS 19 - 1670895



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

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