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QUICKON panel feed-through, gray, 4-pos. without PE, 1.0 mm² ... 2.5 mm²/630 V/20 A, with QUICKON nut, for cable diameters of 9 mm ... 14 mm, with Push-in spring-cage connection



Key commercial data

| Packing unit | 1 PCE |
|--------------------------------------|----------|
| Weight per Piece (excluding packing) | 40.0 GRM |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

General

| Design | QPD 4x2,5 |
|--|--------------------|
| Color | gray |
| Locking type | Screw locking |
| Connection method | QUICKON connection |
| | IDC connection |
| Number of positions | 4 |
| Wrench size, union nut | 22 mm |
| Tightening torque, union nut | 5 Nm |
| Tightening torque, counter nut | 5 Nm |
| Wrench size, counter nut | 27 mm |
| Number of connections | 10 |
| Conductor cross section stranded min. | 1 mm² |
| Conductor cross section stranded max. | 2.5 mm² |
| Conductor cross section solid min. | 1 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section AWG/kcmil min. | 16 |



Technical data

General

| Conductor cross section AWG/kcmil max | 14 |
|---------------------------------------|----|

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 / Rubber / TPE | | |
| Wire diameter including insulation | 2.5 mm 3.8 mm | | |
| External cable diameter | 6 mm 10 mm | | |
| | 9 mm 14 mm | | |

Ambient conditions

| Degree of protection | IP68 (2 m / 24 h) |
|---|-------------------|
| Ambient temperature (operation) | -40 °C 80 °C |
| Ambient temperature (storage/transport) | -40 °C 80 °C |
| Temperature when conductor connected | -5 °C 50 °C |

Electrical characteristics

| Nominal current I _N | 20 A |
|--------------------------------|--------|
| Rated current | 20 A |
| Rated voltage (III/3) | 630 V |
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1250 V |
| Rated surge voltage (III/3) | 6 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 8 kV |

Mechanical characteristics

| QUICKON connectability | max. 10 | | |
|-----------------------------|-------------------------------------|--|--|
| Insertion/withdrawal cycles | >= 50 (Quickon connections max. 10) | | |

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 | 27143424 |
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440209 |

ETIM

| ETIM 2.0 | EC000516 |
|----------|----------|
| ETIM 3.0 | EC000516 |
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

UNSPSC

| UNSPSC 6.01 | 31251501 |
|---------------|----------|
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121413 |

Approvals

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Approvals

VDE Zeichengenehmigung

Ex Approvals

Approvals submitted

Approval details



Approvals

| VDE Zeichengenehmigung 🚳 | |
|--------------------------|---------|
| | |
| mm²/AWG/kcmil | 1.5-2.5 |
| Nominal current IN | 20 A |
| Nominal voltage UN | 690 V |

Accessories

Accessories

Coding element

Coding profile - CP-QPD - 1582459



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

Device marking

Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, Unlabeled, Can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: 13 x 9 mm

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, Unlabeled, Can be labeled with: Engraving, Plotter, Mounting type: Adhesive, Lettering field: 13 x 9 mm

Mounting material



Accessories

Nut - Q-MU M25 - 1640715



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

Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488

Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68



Protective cap - QPD QSK 2,5 - 1582150



Protective cap made of transparent plastic for QPD QUICKON connection 4x 2.5 mm², IP54.

Seal

Grommet - KV-DI-PG16-1XASI - 1582462



Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

Grommet - KV-DI-PG16-2XASI - 1582464



Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection



Accessories

Sealing plugs

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 14 mm

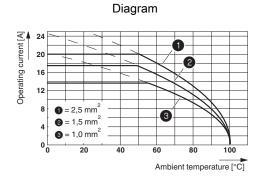
Socket spanner

Socket wrench - QSS 22 - 1670206



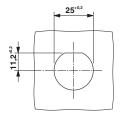
Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

Drawings



Derating diagram

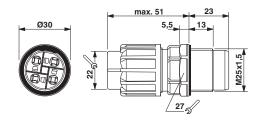
Dimensioned drawing



Panel cutout



Dimensioned drawing



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