PHŒNIX CONTACT

Panel feed-through - QPDW3PE1,5 9-14 M25 0,1 BKKTH - 1582476

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QUICKON panel feed-through, 3-pos. +PE, 1.0 mm² ... 2.5 mm² / 630 V / 20 A, with QUICKON nut for cable diameters of 9 mm ... 14 mm, with 4 welded-on 1.5 mm² cable wires, 0.1 m long, with ring cable lugs at the end

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)	40.0 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Design	QPD 4x2,5
Length of cable	0.1 m
Color	black
Connection method	QUICKON connection
	IDC connection
Number of positions	4
Note number of positions	3+PE
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Tightening torque, counter nut	5 Nm

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Technical data

General

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
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/TPE/rubber
Wire diameter including insulation	2.5 mm ... 3.8 mm
External cable diameter	9 mm ... 14 mm

Ambient conditions

Degree of protection	IP68 (2 m / 24 h)
	IP69K
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)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 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

Material data

Contact material	Cu
Contact surface material	Silver-plated
Contact carrier material	PA
Insulating material	PA

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Technical data

Material data

Inflammability class according to UL 94	V0
Surge voltage category	III
Pollution degree	3

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 3.0	EC001283
ETIM 4.0	EC001283
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

Approvals

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VDE Zeichengenehmigung

Ex Approvals

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Approvals

Approvals submitted

Approval details

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

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Accessories

Mounting material

Nut - Q-MU M25 - 1640715

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

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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.

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

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Socket spanner

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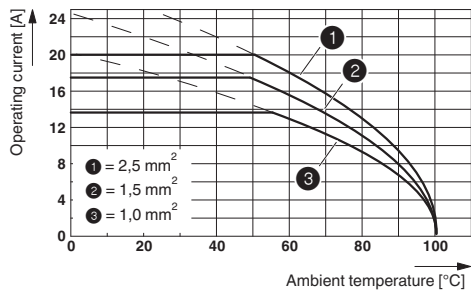
Accessories

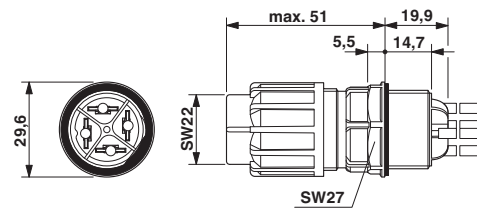Socket wrench - QSS 22 - 1670206

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

Drawings

Diagram

Dimensioned drawing

Drawing without line wires