Panel feed-through - QPD W 4X2,5 9-14 M25 DT GY - 1582323

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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

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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

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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

Approvals

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VDE Zeichengenehmigung

Ex Approvals

Approvals submitted

Approval details

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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

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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

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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

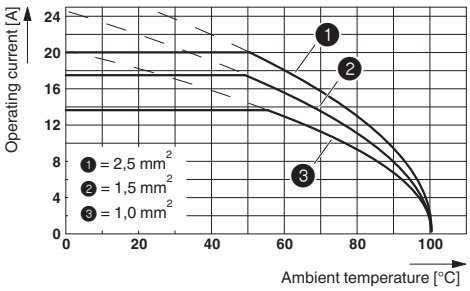
Socket spanner

Socket wrench - QSS 22 - 1670206

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

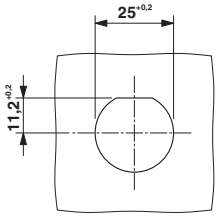
Drawings

Diagram



Derating diagram

Dimensioned drawing



Panel cutout

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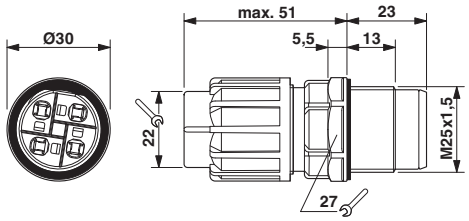
Dimensioned drawing



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