Panel feed-through - QPD W 4X2,5 6-10 M25 FC GY - 1582288

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Panel feed-through, QUICKON connection, number of positions: 4, 1 mm² ... 2.5 mm², 690 V, 20 A, gray, with QUICKON nut, cable diameter range: 6 mm ... 10 mm and 6 mm ... 10 mm, assembly thread: M25, Slip-on connection, 2.5 mm²

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 463430
GTIN	4046356463430

Technical data

General

Type	QPD 4x2,5
Color	gray
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	4
Note 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 flexible min.	1 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	1 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG min.	16

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Technical data

General

Conductor cross section AWG max.	14
Dimensions of slip-on connection	4.8 x 0.8 mm

Cabel

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 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm
	6 mm ... 10 mm
Conductor cross section	2.5 mm²
Position marking	1, 2, 3, 4

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I_N	20 A
Nominal voltage U_N	690 V
Rated current	20 A
rated voltage (III/3)	690 V (With insulating sleeve PT/FS 4,8, 1670497 without insulating sleeve 250 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
Insertion/withdrawal cycles	max. 50
Category of shock impact	IK07

Material data

Contact material	CuZn
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III

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Technical data

Material data

Degree of pollution	3

Standards and Regulations

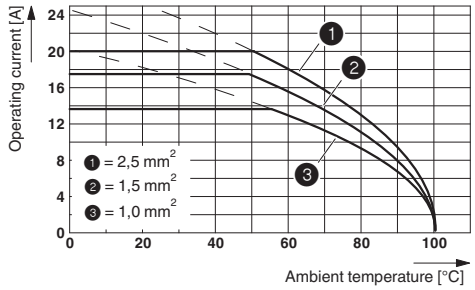
Category of shock impact	IK07
Flammability rating according to UL 94	V0

Environmental Product Compliance

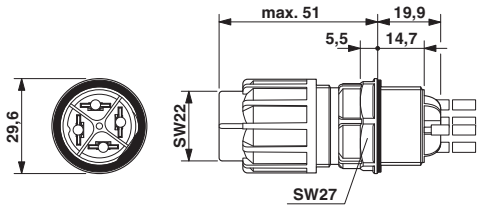
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

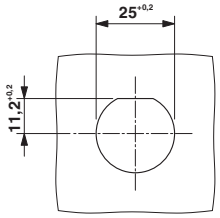
Diagram



Dimensional drawing



Dimensional drawing



Panel cutout

Classifications

eCl@ss

eCl@ss 10.0.1	27440602
eCl@ss 11.0	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

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Classifications

eCl@ss

eCl@ss 9.0	27440602

ETIM

ETIM 3.0	EC001283
ETIM 4.0	EC001283
ETIM 6.0	EC002566
ETIM 7.0	EC002566

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals

Approvals

Approvals

EAC / EAC / DNV GL / IECEE CB Scheme / VDE Zeichengenehmigung

Ex Approvals

Approval details

EAC	EAC	RU C-DE.AI30.B.01102
EAC	EAC	RU C-DE.BL08.B.00511

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Approvals

DNV GL	https://approvalfinder.dnvgl.com/	TAE00003J5

IECEE CB Scheme	http://www.iecee.org/	DE1-58228

VDE Zeichengenehmigung	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149

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

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 ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 500

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, unlabeled, can be labeled with: PLOTMARK, ENGRAVING UNIT, CMS-P1-PLOTTER, P1 ENGRAVING UNIT, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 120

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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 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, IP50.

Seal

Seal - 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

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Accessories

Seal - 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

Sealing plugs

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, material: PA, for threads pluggable, color: red

Socket spanner

Socket wrench - QSS 22 - 1670206



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

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