Panel feed-through - QPD W 4X2,5 9-14 M25 1,0 GY - 1582302

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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 9 mm ... 14 mm, assembly thread: M25, Single wires, 2.5 mm², cable length: 1 m

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 463454
GTIN	4046356463454
Weight per Piece (excluding packing)	222.220 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

General

Type	QPD 4x2,5
Length of cable	1 m
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

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Technical data

General

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
Conductor cross section AWG max.	14

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
	9 mm ... 14 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
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

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Technical data

Mechanical characteristics

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
Degree of pollution	3

Standards and Regulations

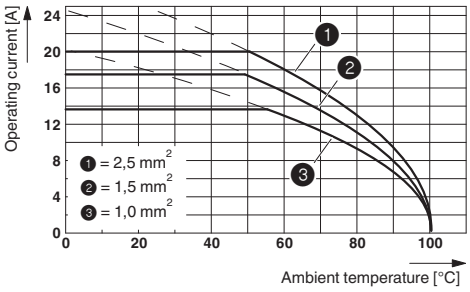
Category of shock impact	IK07
Flammability rating according to UL 94	V0

Environmental Product Compliance

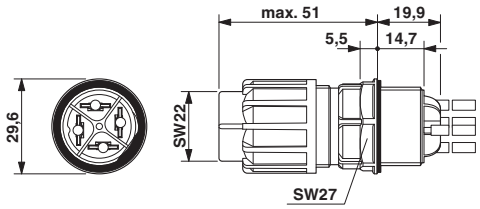
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Diagram



Dimensional drawing



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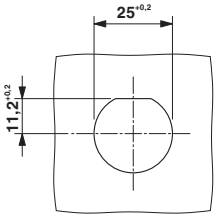
Dimensional drawing



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
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

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Approvals

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

Ex Approvals

Approval details

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

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