Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Panel feed-through - QPD W 3PE1,5 8-13 M20 1,0 BK - 1414679

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Panel feed-through, QUICKON connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, with QUICKON nut, cable diameter range: 10 mm ... 13 mm, assembly thread: M20, Single wires, 1.5 mm², cable length: 1 m

Why buy this product

☑ 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 055626 031323
GTIN	4055626031323

Technical data

General

Type	QPD 4x1,5
Length of cable	1 m
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	4
Note number of positions	3+PE
Tightening torque, union nut	8 Nm
Tightening torque, counter nut	5 Nm
Number of connections	10

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Technical data

General

Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	16

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	1.6 mm ... 3 mm
External cable diameter	10 mm ... 13 mm
Conductor cross section	1.5 mm²
Wire colors	black, brown, gray, green/yellow
Position marking	1, 2, 3, PE

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	17.5 A
Rated current	17.5 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
Category of shock impact	IK07

Material data

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

Panel feed-through - QPD W 3PE1,5 8-13 M20 1,0 BK - 1414679

Technical data

Material data

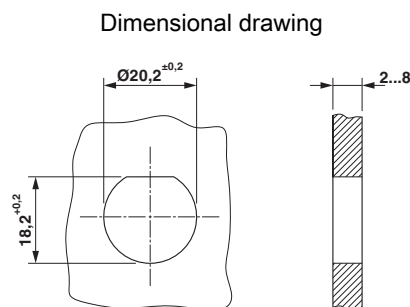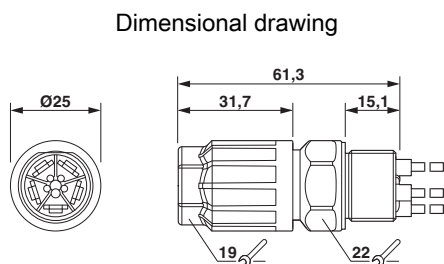| Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Dimensional drawing

Dimensional drawing

Housing cutout

Approvals

Approvals

Approvals

GL / VDE approval of drawings / IECEE CB Scheme / EAC

Ex Approvals

Approval details

GL	GL	http://exchange.dnv.com/tari/	6195914 HH

Panel feed-through - QPD W 3PE1,5 8-13 M20 1,0 BK - 1414679

Approvals

VDE approval of drawings		http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
Nominal voltage UN		690 V	
Nominal current IN		17.5 A	
mm²/AWG/kcmil		0.5-1.5	

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

EAC			RU C-DE.AI30.B.01102