

Panel feed-through - Q 1,5/4A50/24-M20KU-ESA-BK - 1585045

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Panel feed-through, with wire output 1.5 mm² and 0.5 m litz wire: connecting thread: M20x1.5, 4-pos., black



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)	60.81 GRM
Custom tariff number	85444290
Country of origin	Poland

Technical data

General

Connection	If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load.
Length of cable	0.5 m
Color	black
Connection method	QUICKON connection
	Single litz wires 50 cm long; 1.5 mm ²
Note on the internal connection type	Pos. 1: Brown; pos. 2: White; pos. 3: Blue; pos. 4: Black
Number of positions	4
Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm

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Technical data

General

Wrench size, contact carrier	24 mm
Tightening torque contact carrier	4.5 Nm
Tightening torque, counter nut	4.5 Nm
Number of connections	4
Conductor cross section stranded min.	0.75 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	1 mm ²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	16

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
Wire diameter including insulation	>= 1.8 mm ... 3 mm
External cable diameter	6 mm ... 12 mm

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-40 °C ... 80 °C (specifications of the cable manufacturer must also be observed)
	-25 °C ... 50 °C (when the conductor is connected. Specifications of the cable manufacturer must also be observed.)
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)

Electrical characteristics

Nominal current I _N	15 A
Rated current	15 A
Rated voltage (III/3)	500 V
Note on the rated voltage (III/3)	with insulating sleeve PT/FS 4,8. Without insulating sleeve 250 V AC.
Rated voltage (III/2)	800 V
Note on the rated voltage (III/2)	with insulating sleeve
Rated voltage (II/2)	1000 V
Note on the rated voltage (II/2)	with insulating sleeve
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

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Mechanical characteristics

QUICKON connectability	max. 10 (if the conductor is connected more than once, seal and cap may need to be replaced.)
PC QUICKON thread type	M20
Impact category	3

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

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	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC000516

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

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Approvals

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UL Recognized / VDE Zeichengenehmigung / cUL Recognized / GOST / cULus Recognized


Ex Approvals


Approvals submitted

Approval details

UL Recognized 	
Nominal current IN	15 A
Nominal voltage UN	250 V

VDE Zeichengenehmigung 	
mm ² /AWG/kcmil	0.75-1.5
Nominal voltage UN	500 V

cUL Recognized 	
Nominal current IN	11 A
Nominal voltage UN	250 V

GOST 	
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Approvals



Accessories

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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 M20 - 1640702



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

Sealing plugs

Closing cap - SEALING PLUG 12X22 RD - 1400260



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 12 mm

Socket spanner

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Accessories

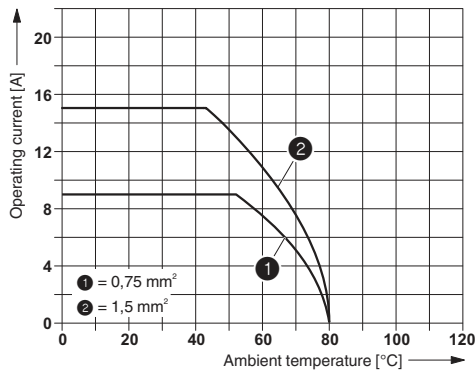
Socket wrench - QSS 19 - 1670895



Socket wrench, for tightening and unscrewing the QUICKON union nut, wrench size 19 mm

Drawings

Diagram



Dimensioned drawing

