

## Panel feed-through - Q 1,5/4FL/24-M20KU-ESA BK - 1643000

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Panel feed-through, for external wall mounting, with manual solder/slip-on connection, 4.8 x 0.8 mm, connecting thread M20x1.5, 4-pos.

### 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



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
Weight per Piece (excluding packing)	20.89 g
Custom tariff number	85366990
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.
Color	black
Connection method	QUICKON connection
	Manual solder/slip-on connection; 4.8 x 0.8 mm
Number of positions	4
Wrench size, union nut	19 mm

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## Technical data

### General

Tightening torque, union nut	3 Nm
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 flexible min.	0.75 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	1 mm <sup>2</sup>
Conductor cross section AWG min.	18
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
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
	-25 °C ... 50 °C
Temperature when conductor connected	-5 °C ... 50 °C

### Electrical characteristics

Nominal current I <sub>N</sub>	15 A (15 A with slip-on sleeve 2.5 mm <sup>2</sup> ; 12 A with slip-on sleeve 1.5 mm <sup>2</sup> .)
Rated current	15 A
Rated voltage (III/3)	500 V
Rated voltage (III/2)	800 V
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

### 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

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## Technical data

### Mechanical characteristics

Impact category	3
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### Material data

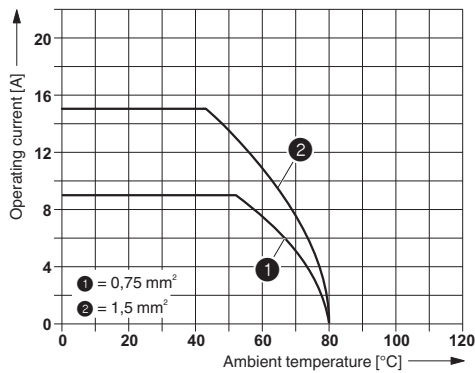
Contact material	CuZn
Contact surface material	Tin-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

### Standards and Regulations

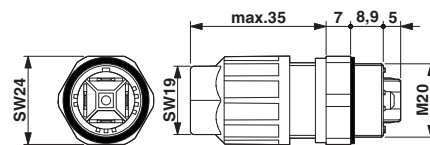
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

## Drawings

Diagram



Dimensional drawing



## 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	27440602

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## Classifications

eCl@ss

eCl@ss 9.0	27440103
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## ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002566

## UNSPSC

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

## Approvals

### Approvals

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Approvals

UL Recognized / VDE Zeichengenehmigung / cUL Recognized / EAC / cULus Recognized

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Ex Approvals

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Approvals submitted

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### Approval details

UL Recognized 	
Nominal current I <sub>N</sub>	15 A
Nominal voltage U <sub>N</sub>	250 V

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## Approvals

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

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

EAC
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cULus Recognized	
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## Accessories

### Accessories

#### Electronics pliers

Diagonal cutter - MICROFOX-SB - 1212489



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

### 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

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### Accessories

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#### Mounting material

Nut - Q-MU M20 - 1640702



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

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#### Sealing plugs

Closing cap - SEALING PLUG 12X22 RD - 1400260



Sealing plug, for sealing unused bore holes in multiple grommets and cable glands, diameter: 12 mm

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#### Socket spanner

Socket wrench - QSS 19 - 1670895



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

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