

Panel feed-through - Q 1,5/2FL/11-M20KU-ESA - 1640647

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Panel feed-through, for external wall mounting, with manual solder/slip-on connection, 4.8 x 0.8 mm

Your advantages

- ✓ Robust throughout: housing with IP65/IP67 protection for a wide range of applications

Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4017918188764

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	green
Locking type	Screw locking
Connection method	QUICKON connection
	Manual solder/slip on connection
Number of positions	2
Wrench size, union nut	22 mm
Tightening torque, union nut	2.5 Nm
Wrench size, contact carrier	22 mm
Tightening torque contact carrier	3.75 Nm
Tightening torque, counter nut	3.75 Nm
Number of connections	2
Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	1.5 mm ²

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Technical data

General

Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	1.5 mm ²
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 Cl.2-5, min. wire diameter 0.2 mm
Wire insulation material	PVC / PE
Wire diameter including insulation	>= 3 mm
Position marking	1, 2

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C (Specifications of the cable manufacturer must 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

Electrical characteristics

Nominal current I _N	17.5 A (15 A with slip-on sleeve 2.5 mm ² ; 12 A with slip-on sleeve 1.5 mm ² .)
Nominal voltage U _N	250 V AC
	250 V DC
Rated voltage (III/3)	250 V
Note on the rated voltage (III/3)	with insulating sleeve
Rated voltage (III/2)	320 V
Note on the rated voltage (III/2)	with insulating sleeve
Rated voltage (II/2)	630 V
Note on the rated voltage (II/2)	with insulating sleeve
Rated surge voltage (III/3)	6 kV

Mechanical characteristics

QUICKON connectability	10 (if the conductor is connected more than once, seal and cap may need to be replaced.)
PC QUICKON thread type	M20 x 1,5 VDE approval available
Impact category	3

Material data

Contact material	Copper alloy
Contact surface material	Pre-nickel plated and tin-plated
Contact carrier material	PA 6.6
Flammability rating according to UL 94	V0
Overvoltage category	III

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Technical data

Material data

Degree of pollution	3
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Standards and Regulations

Connection in acc. with standard	CUL
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

Classifications

eCl@ss

eCl@ss 10.0.1	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 8.0	27440602
eCl@ss 9.0	27440602

ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002566
ETIM 6.0	EC002566
ETIM 7.0	EC002566

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121413
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

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Approvals


Approvals


Approvals


UL Recognized / cUL Recognized / EAC / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		250 V	
Nominal current IN		15 A	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		250 V	
Nominal current IN		11 A	

EAC		EAC-Zulassung
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EAC		RU C- DE.A*30.B.01102
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EAC		RU C- DE.BL08.B.00511
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cULus Recognized		
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Accessories

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

Nut - Q-MU M20 - 1640702



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

Nut - Q-MU PG13,5 - 1670484



Nut (plastic) to lock the contact carrier Pg13.5 / 27 WAF

Nut - Q-MU PG11 - 1670471



Nut (plastic) to lock the contact carrier Pg11 / 24 WAF

Sealing plugs

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Accessories

Filler plugs - Q-PROT13/16 - 1670222



Closing caps, for Pg13/ Pg16, for closing unoccupied connections

Filler plugs - Q-PROT 9/11 - 1670235



Closing cap for Pg9/Pg11 to close unoccupied connections

Nut - Q-MU PG16 - 1670659



Nut (plastic) to lock the contact carrier Pg16 / 30 WAF

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