

Q 0,75/3FL/ 9-M16KU-ESA BK - Panel feed-through



1641497

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QUICKON panel feed-through, for external wall mounting with manual solder/slip-on connection, 2.8 x 0.8 mm, 3-pos.

Commercial data

Item number	1641497
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BF50
Product key	BF6HAA
Catalog page	Page 103 (PC-2011)
GTIN	4017918219581
Weight per piece (including packing)	16.44 g
Weight per piece (excluding packing)	16.2 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Panel feed-through
Number of positions	3
Position marking	1, 2, 3
Number of connections	3
No. of cable outlets	0

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

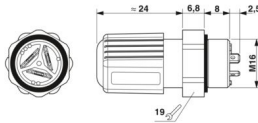
Connection technology

Connection method On the device side	Manual solder/slip on connection (2.8 mm x 0.8 mm)
Frequency of connections between conductors of the same cross section	max. 10 (if the conductor is connected more than once, seal and cap may need to be replaced.)

Conductor connection

Conductor cross section flexibel	0.34 mm ² ... 0.75 mm ²
Conductor cross section solid	0.75 mm ² ... 1 mm ²
Connection cross section AWG	18 ... 16
Tightening torque Union nut	2.5 Nm
Tightening torque Contact carrier	3.75 Nm
Tightening torque Locking nut	3.75 Nm
Wrench size Union nut	19 mm
Wrench size Contact carrier	19 mm

Dimensions

Dimensional drawing	
Width	19 mm
Height	19 mm
Length	41.3 mm

Electrical properties

Rated surge voltage (II/2)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (III/3)	4 kV
Rated current	9 A

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Contact resistance	< 3 mΩ
rated voltage (II/2)	320 V (with insulating sleeve)
rated voltage (III/2)	160 V (with insulating sleeve)
Rated voltage (III/3)	160 V (with insulating sleeve)
Nominal voltage U_N	160 V AC
	160 V DC
Nominal current I_N	9 A

Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Contact	CuZn
Material Contact surface	tin-plated
Flammability rating according to UL 94	V0
Suitable for outdoor use	f1 (UL 746C)
Material wire insulation	PVC / PE

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	5 mm ... 6.8 mm
Wire diameter including insulation	2.5 mm
Position marking	1, 2, 3
Material wire insulation	PVC/PE/TPE/rubber

Mounting

Mounting type	Front mounting M16
Assembly instructions	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.

Environmental and real-life conditions

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 (specifications of the cable manufacturer must also be observed)

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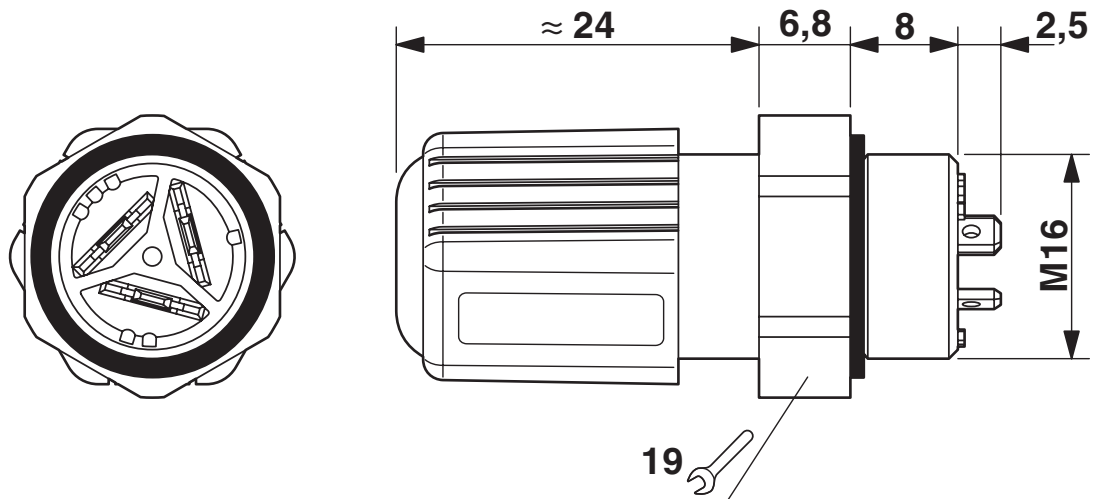


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Drawings

Dimensional drawing



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Approvals

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	cUL Recognized Approval ID: FILE E 118976			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	6 A	-	-

	UL Recognized Approval ID: FILE E 118976			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	9 A	-	-

	EAC Approval ID: RU C-DE.AI30.B.01102			

	EAC Approval ID: RU C-DE.A*30.B.01102			

	EAC Approval ID: RU C-DE.BL08.B.00511			

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440602
ECLASS-13.0	27440602
ECLASS-12.0	27440602

ETIM

ETIM 9.0	EC002566
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

Q-MU M16 - Nut

1640692

<https://www.phoenixcontact.com/us/products/1640692>

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



Q-PROT 9/11 - Filler plug

1670235

<https://www.phoenixcontact.com/us/products/1670235>

Closing cap for Pg9/Pg11 to close unoccupied connections



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Q SET- 9 DI/KR - Mounting material

1640362

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Seal/Collar replacement set Pg9

PT/FS 2,8 - Insulating sleeve

1406700

<https://www.phoenixcontact.com/us/products/1406700>

Insulating sleeve, as touch protection, slide onto the conductor before for 2.8 slip-on sleeves



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QSS 19 - Socket wrench

1670895

<https://www.phoenixcontact.com/us/products/1670895>



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

MICROFOX-SB - Diagonal cutter

1212489

<https://www.phoenixcontact.com/us/products/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

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com