

1421082

https://www.phoenixcontact.com/us/products/1421082

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Panel feed-through, 4-position/PVC, Socket, straight, M12, coding: A, on free cable end, Front mounting, with 1/2 inch-14 NPT mounting thread, Individual wires, cable length: 1 m, 0.34 mm², PVC litz wire

Commercial data

Item number	1421082
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF13
Product key	BF2IBA
GTIN	4055626337715
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX



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Technical data

Notes

Notes	
Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Trade restriction	
CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
Mounting	
Mounting type	Front mount, with 1/2-inch NPT
Product properties	
Product type	Circular connectors (device side)
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Insulation characteristics	
Overvoltage category	II .
Degree of pollution	3
Material specifications	
Flammability rating according to UL 94	V0
Housing surface material	die-cast aluminum
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Aluminum alloy
Electrical properties	
Insulation resistance	≥ 100 MΩ

Connection data

Conductor connection

Nominal voltage U_N Nominal current I_N

Connection method	Individual wires
Contact connection type	Socket
Conductor cross section	0.34 mm²

300 V

4 A



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Tightening torque	1.12 Nm (Installation-side)
echanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 500
onnector	
Connection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A
Connection 2	
Head design	free cable end
able/line	
Cable length	1 m
Cable type	PVC litz wire
Cable structure	4 x 22 AWG
Wire diameter incl. insulation	1.78 mm
Single wire, color	brown, white, blue, black
Cable cross section	0.34 mm ²
Material, inner sheath	PVC
Conductor structure signal line	7x (30 AWG strand)
AWG signal line	22
Material wire insulation	PVC
Thickness, insulation	0.76 mm
nvironmental and real-life conditions	
ivii oninontar ana roar ino contantono	
Ambient conditions	
Degree of protection	IP68
Ambient temperature (operation)	-20 °C 105 °C
andards and regulations	
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Standards/specifications	UL 2238
	Suitable for use in Class I, Division 2 Groups A, B, C, D

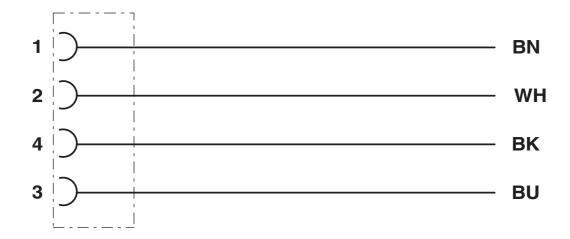


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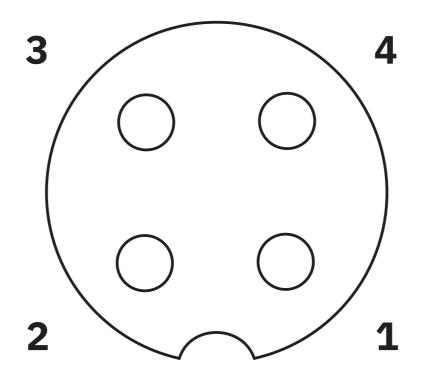
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Drawings

Circuit diagram



Schematic diagram

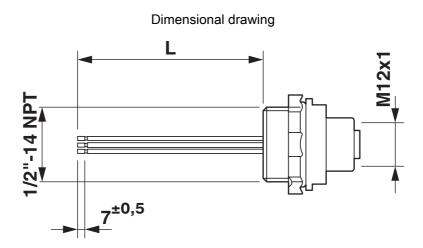


Pin assignment M12 socket, 4-pos., A-coded, view female side



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M12 flush-type socket



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Approvals

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UL Listed

Approval ID: FILE E 221474



cUL Listed

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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

ETIM 8.0	EC003569



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Environmental product compliance

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%



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Accessories

SACC-1/2 NPT-LOCKNUT - Lock nut

1020362

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Locknut, 1/2 inch-14 NPT thread



SACC-MIN-SEAL - Seal

1020363

https://www.phoenixcontact.com/us/products/1020363

Seal for MINI 7/8-inch panel feed through with 1/2 inch-14 NPT thread



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