

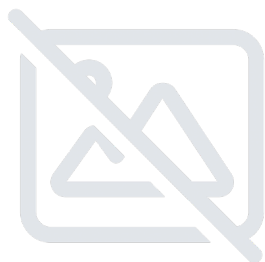
SAC-12P-MS 4B SCO D-B - Short-circuit connector



1446841

<https://www.phoenixcontact.com/us/products/1446841>

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Short-circuit connector, Plug straight M12, coding: A, Customer version

Commercial data

Item number	1446841
Packing unit	10 pc
Minimum order quantity	100 pc
Sales key	BF03
Product key	AF1CGA
GTIN	4046356691345
Weight per piece (including packing)	16.32 g
Weight per piece (excluding packing)	16.01 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Sensor/actuator cable
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Seal material	FKM
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	1.5 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connection data

Connection technology

Connection method	Piercecon® fast connection
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Conductor connection

Connection method	Piercecon® fast connection
Tightening torque	0.4 Nm

Pin assignment

Contact Color (signal designation) Contact (optional)	1 (Plug) 5 (Plug)
	2 (Plug) 7 (Plug)
	3 (Plug) 11 (Plug)
	6 (Plug) 10 (Plug)

Connector

Connection 1

Type	Plug straight M12
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Number of positions	12
Coding type	A

Cable/line

Cable cross section	0.14 mm ²
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP68
Ambient temperature (operation)	-25 °C ... 85 °C (Plug)

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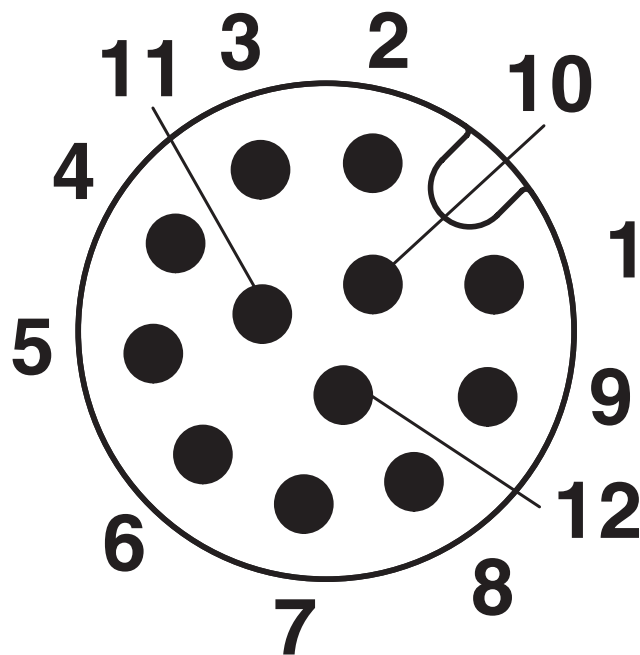


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Drawings

Schematic diagram



Pin assignment M12 male connector, 12-pos., male side view

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1446841>

 UL Listed Approval ID: E221474				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	1 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27060311
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ETIM

ETIM 9.0	EC001855
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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