SACC-DSIV-FSX-8CON-L180 SCO - Device connector rear mounting

1411820

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M12 flush-type socket, front mounting

Device connector rear mounting, Ethernet CAT6$_A$, 8-position, Socket, straight, M12-SPEEDCON, X-coding, Wave soldering, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1411820
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	AB26
Product key	ABQAIA
GTIN	4046356956376
Weight per piece (including packing)	11.81 g
Weight per piece (excluding packing)	9.736 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting (M12 x 1)

Product properties

Product type	Circular connectors (device side)
Number of positions	8
Coding	X
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Contact carrier	PPA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	EPDM
Flammability rating according to UL 94	V0

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	< 5 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage U_N	50 V AC
	60 V DC
Nominal current I_N	0.5 A
Transmission characteristics (category)	$CAT6_A$

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Interfaces

Signal type/category	Ethernet $CAT6_A$

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	X

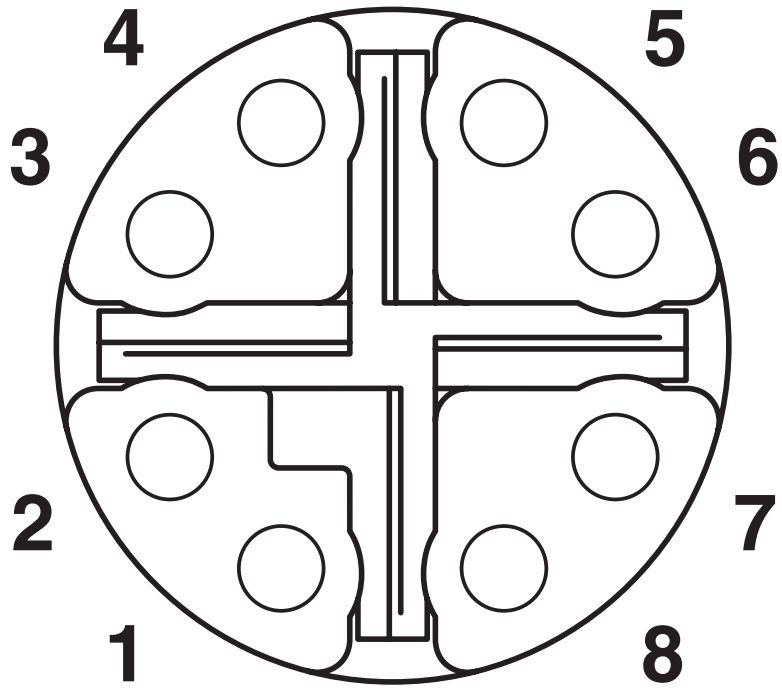
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
Ambient temperature (operation)	-40 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

Drawings

Schematic diagram



M12 socket pin assignment, 8-pos, view of socket side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1411820

cUL Recognized
Approval ID: E335024-20120308

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	60 V	0.5 A	-	-

UL Recognized
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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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	60 V	0.5 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

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.)	Lead(CAS: 7439-92-1)
SCIP	2e6a313b-ab58-4843-8be2-529282446794

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