SACC-DSI-FSX-8CON-PG9-L180 SCO - Device connector rear mounting

1404741

https://www.phoenixcontact.com/us/products/1404741

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector rear mounting, Ethernet CAT6$_A$ (10 Gbps), 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

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

Item number	1404741
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEHL
GTIN	4046356737029
Weight per piece (including packing)	15.752 g
Weight per piece (excluding packing)	14.775 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Notes on operation	The electrical and mechanical data specified assumes that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of pollution, the connector must be sealed using a protective cap >IP54. Influences arising from litz wires, cables, or PCB mounting must also be taken into consideration. Additional mechanical fixing of the PCB is required.
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting (Pg9)
Tightening torque	2 Nm ... 3 Nm

Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Length of the solder pin	6 mm
	6 mm

Material specifications

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

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	> 100 MΩ

Nominal voltage U_N	50 V AC
	60 V DC
Nominal current I_N	0.5 A (Data)
Transmission speed	10 Gbps
Transmission characteristics (category)	$CAT6_A$

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	2 Nm ... 3 Nm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Interfaces

Signal type/category	Ethernet $CAT6_A$, 10 Gbps

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

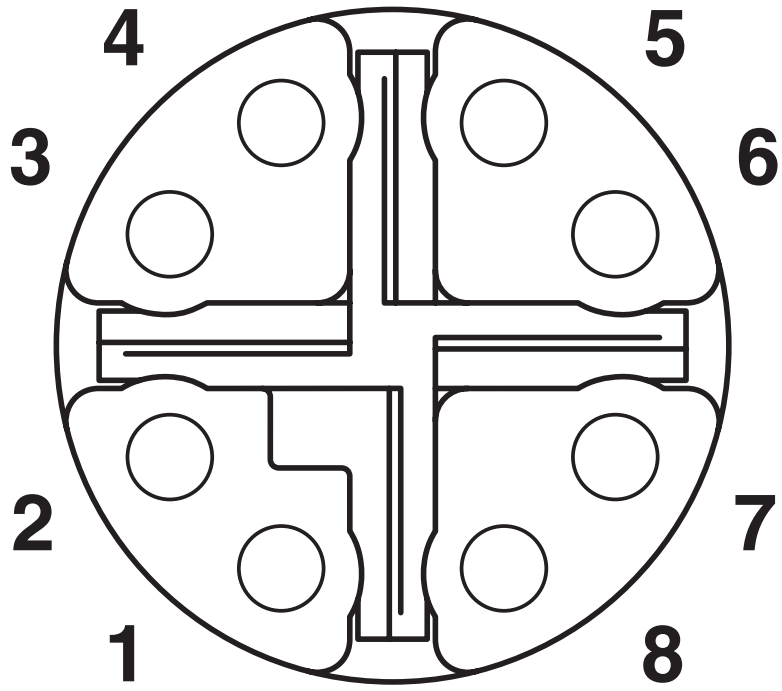
Degree of protection	IP67 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-109
Standard designation	Shock, vibration
Standards/specifications	according to EN 50155
Standard designation	Shock, vibration
Standards/specifications	according to EN 61373:2011

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/1404741

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
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	-	-

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, 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%

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

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