SACC-DSI-FS-8CON-L180/SH TQ - Device connector rear mounting

1456543

https://www.phoenixcontact.com/us/products/1456543

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, 8-position, Socket, straight, M12-SPEEDCON, A-coding, Wave soldering, this item is expected to be lead-free from Q1 2027 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	1456543
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB26
Product key	ABQEHB
GTIN	4046356617239
Weight per piece (including packing)	14.41 g
Weight per piece (excluding packing)	13.259 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 (M16 x 1.5, with flat nut)

Product properties

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

Insulation characteristics

Overvoltage category	II
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	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	2 A
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

Conductor connection

Connection method	Wave soldering

Contact connection type	Socket

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

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

Environmental and real-life conditions

Ambient conditions

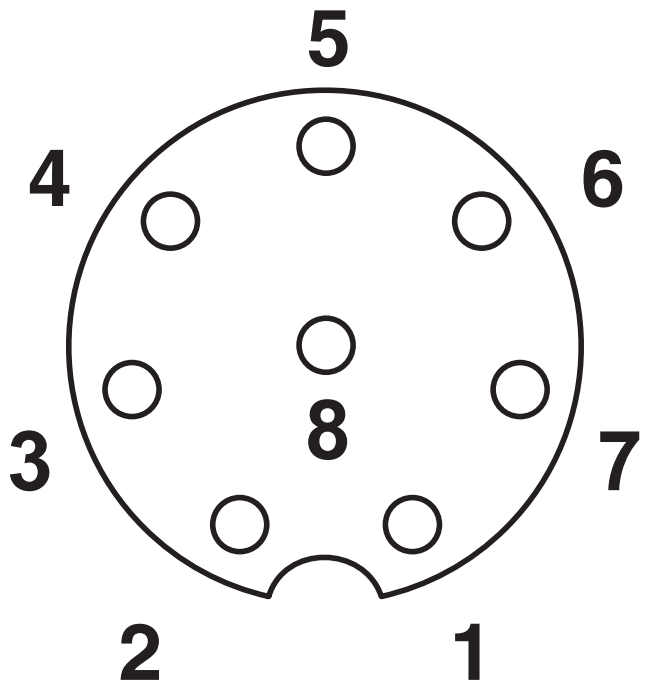
Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1456543

UL Recognized
Approval ID: E118976-20100522

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	2 A	24	-

cULus Recognized
Approval ID: E221474-20140616

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	2 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	b41e6c10-c841-430f-84c2-7c6e53ed6cf5

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