

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



1456543

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

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Device connector rear mounting, 8-position, Socket, straight, M12-SPEEDCON, A-coding, Wave soldering, this item is expected to be lead-free from Q1 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	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

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Technical data

Notes

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

Mounting type	Rear mounting (M16 x 1.5, with flat nut)
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Product properties

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

Insulation characteristics

Ovvoltage 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 Insulating body	PA 6.6
Material Contact	CuZn
Material Seal	FKM
Flammability rating according to UL 94	V0

Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
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

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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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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 unplugged)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

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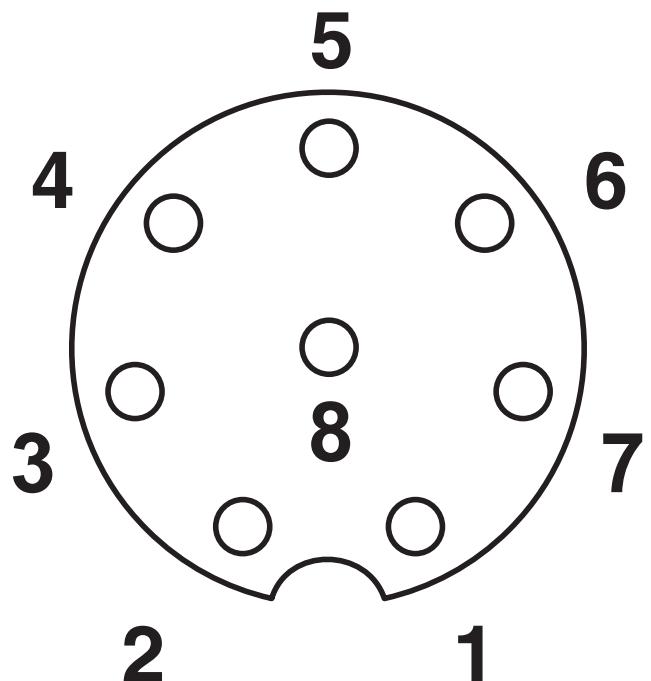


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Drawings

Schematic diagram



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

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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	-	-

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Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 9.0	EC003568
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UNSPSC

UNSPSC 21.0	39121400
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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.
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EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	b41e6c10-c841-430f-84c2-7c6e53ed6cf5

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