SACC-CI-M12FS-8CON-L180-THR SH - Contact carrier

1551422

https://www.phoenixcontact.com/us/products/1551422

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Contact carrier, 8-position, Socket, straight, M12, coding: A, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239981

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in

Commercial data

Item number	1551422
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGG
Catalog page	Page 257 (C-2-2013)
GTIN	4046356153706
Weight per piece (including packing)	5.301 g
Weight per piece (excluding packing)	4.53 g
Customs tariff number	85366990
Country of origin	DE

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1551422

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Technical data

Notes

Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.

Product properties

Product type	Contact insert
Application	Signal
Number of positions	8
Seal present	yes
Shielded	yes
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V
Nominal current I_N	2 A

Connection data

Connection method	THR solder connection

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM / EPDM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PPA

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12

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1551422

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Coding	A

Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67 (correctly plugged in and locked)
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (Cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)

Standards and regulations

M12

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

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Tray

SACC-CI-M12FS-8CON-L180-THR SH - Contact carrier
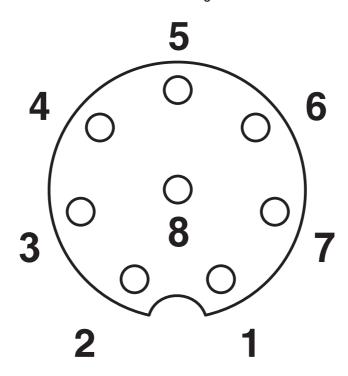
1551422

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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/1551422

UL Recognized
Approval ID: E118976-20100522

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

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Classifications

ECLASS

ECLASS-13.0	27440223

ETIM

ETIM 9.0	EC002637

UNSPSC

UNSPSC 21.0	39121400

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1551422

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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.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	2e95e33a-6b13-4adf-9d57-19cf0aa6bd48