SACC-CIP-M12FS-8P SMD R32 - Contact carrier

1411994

https://www.phoenixcontact.com/us/products/1411994

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Contact carrier, 8-position, Socket, straight, M12, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308204

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	1411994
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQBGT
GTIN	4046356992251
Weight per piece (including packing)	6.23 g
Weight per piece (excluding packing)	6 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

General	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	no
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	SMD reflow

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12

Coding	A

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
Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)

Standards and regulations

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Note	In line with

Mounting

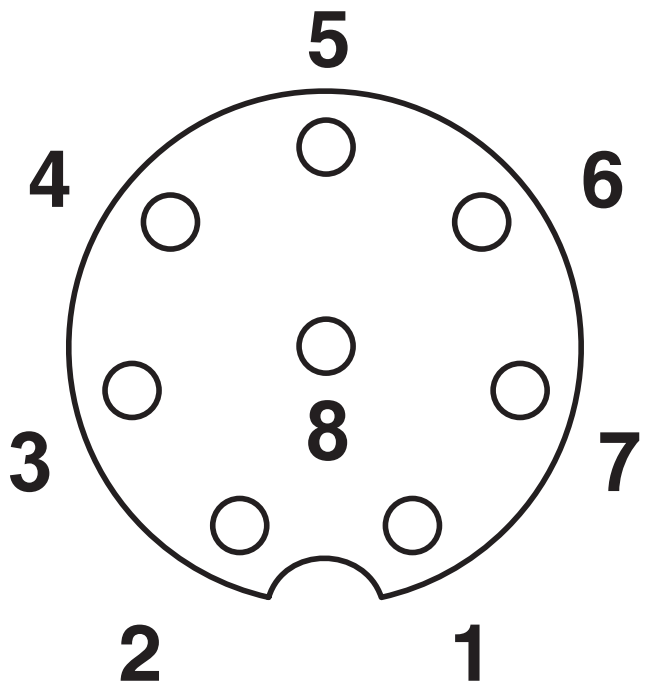
Mounting type	PCB mounting

Packaging specifications

Type of packaging	Belt

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/1411994

cULus Recognized
Approval ID: E221474-20160506

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

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635

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	9d152f66-b79b-4bd6-a8c0-9cf61fb67e67

Accessories

SACC-BP-F-M12/M15-6-SMD - Housing screw connection

1414021

https://www.phoenixcontact.com/us/products/1414021



Housing screw connection, Socket, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239058

SACC-BP-F-M12/M15-6-SMD SCO - Housing screw connection

1414023

https://www.phoenixcontact.com/us/products/1414023



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239059

SACC-FP-F-M12/M14 SMD - Housing screw connection

1412079

https://www.phoenixcontact.com/us/products/1412079



M12 female connector, front mounting SMD with M14 screw fastening

SACC-FP-F-M12/PRESS SMD - Housing screw connection

1412081

https://www.phoenixcontact.com/us/products/1412081



Housing screw connection, Socket, M12, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238973

SACC-BP-F-M12/SMD-0,9/1,6-9TIP - Housing screw connection

1419569

https://www.phoenixcontact.com/us/products/1419569



Housing screw connection, Socket, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239268

SACC-BP-F-M12/SMD-1,6/2,3-9TIP - Housing screw connection

1419570

https://www.phoenixcontact.com/us/products/1419570



Housing screw connection, Socket, M12, Rear mounting

SACC-BP-F-M12/SMD-2,3/3,0-9TIP - Housing screw connection

1419571

https://www.phoenixcontact.com/us/products/1419571



Housing screw connection, Socket, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239270

SACC-BP-F-FIX/NUT-BK-SMD - Fixing sleeve

1419568

https://www.phoenixcontact.com/us/products/1419568



Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

SACC-BP-F-FIX/NUT-CY-SMD - Fixing sleeve

1419565

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Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

SACC-BP-F-FIX/NUT-GN-SMD - Fixing sleeve

1419566

https://www.phoenixcontact.com/us/products/1419566



Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

SACC-BP-F-FIX/NUT-VT-SMD - Fixing sleeve

1419567

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Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

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