SACC-CI-M12FS-4P SMD SH R32 - Contact carrier

1647192

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Contact carrier, 4-position, Socket, straight, M12, A-coding, SMD reflow

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

Commercial data

Item number	1647192
Packing unit	120 pc
Minimum order quantity	120 pc
Product key	ABQBGH
GTIN	4067923177604
Weight per piece (including packing)	5.11 g
Weight per piece (excluding packing)	5.11 g
Country of origin	DE

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	4
No. of control contacts	4
Seal present	yes
Shielded	yes
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	250 V
Nominal current I_N	4 A

Connection data

Connection method	SMD reflow

Material specifications

Material Insulating body	PA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0

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

Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

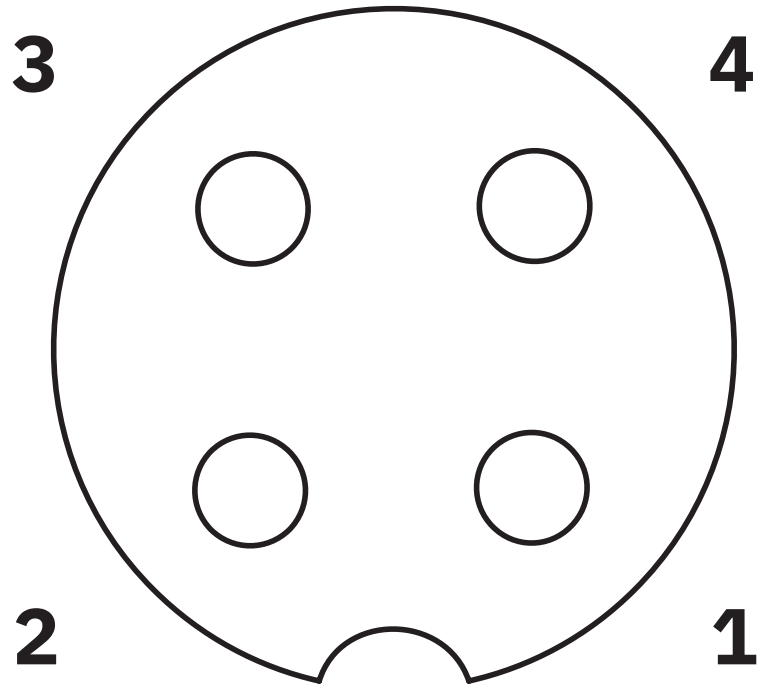
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

Packaging specifications

Type of packaging	Belt

Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557

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%

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