

SACC-CI-M12MS-12CON-L90 SH - Contact carrier



1424198

<https://www.phoenixcontact.com/us/products/1424198>

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Contact carrier, 12-position, Pin, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239455

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- 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	1424198
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAHA
Catalog page	Page 253 (C-2-2013)
GTIN	4046356692922
Weight per piece (including packing)	6.085 g
Weight per piece (excluding packing)	5.78 g
Customs tariff number	85366990
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.
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Product properties

Product type	Contact insert
Application	Signal
Number of positions	12
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	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V
Nominal current I_N	1.5 A

Connection data

Connection method	Wave soldering
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Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6T

Connector

Connection 1

Head design	Pin
Head cable outlet	angled
Head thread type	M12

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Coding	A
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)

Standards and regulations

M12

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

Mounting

Mounting type	PCB mounting
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Packaging specifications

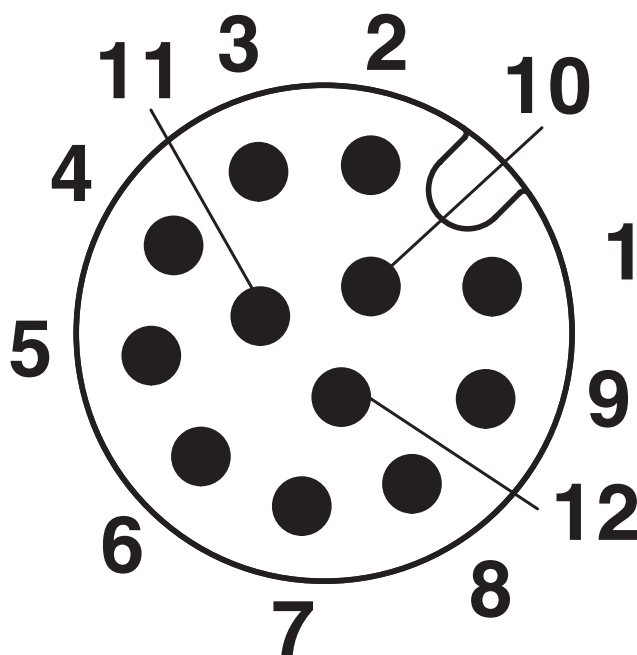
Type of packaging	Blister
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Drawings

Schematic diagram



Pin assignment M12 male connector, 12-pos., male side view

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424198>

 UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	1.5 A	26 - 26	-

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
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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.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	32587f26-2f1a-4da3-aac3-adb33deaba71

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Accessories

PROT-M12 FS - Sealing cap

1560251

<https://www.phoenixcontact.com/us/products/1560251>



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

PROT-M12 FS-M - Sealing cap

1430488

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M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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SACC-DSIV-M12MS-SEAL - Sealing ring

1405751

<https://www.phoenixcontact.com/us/products/1405751>

Sealing ring, color: green



SACC-M12-SCO PLUG - Housing screw connection

1551493

<https://www.phoenixcontact.com/us/products/1551493>



Housing screw connection, Pin, M12-SPEEDCON, Front mounting, M12 x 1,
Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.
1 %) item no.: 1237430

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SACC-DSIV-M12-PLUG - Housing screw connection

1416145

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Housing screw connection, Pin, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239108

SACC-M12-SCO PLUG L90 - Housing screw connection

1436709

<https://www.phoenixcontact.com/us/products/1436709>



Housing screw connection, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239632

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SACC-BP-M-M12/M15-6-THR - Housing screw connection

1413997

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Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239050

SACC-BP-M-M12/M15-7-THR - Housing screw connection

1413996

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Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239049

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SACC-BP-M-M12/M15-6-THR SCO - Housing screw connection

1413999

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Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239052

SACC-BP-M-M12/M15-7-THR SCO - Housing screw connection

1413998

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Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239051

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SACC-M12 PLUG PRESS - Housing screw connection

1437892

<https://www.phoenixcontact.com/us/products/1437892>



Housing screw connection, Pin, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239688

SACC-DSIV-M12-PLUG-9 THR - Housing screw connection

1417984

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Housing screw connection, Pin, M12, Rear mounting, M14 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239180

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SACC-BP-M-M12-THR PP - Housing screw connection

1027661

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Housing screw connection, Pin, M12-Push-Pull, Rear mounting, M15 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

SACC-FP-M-M12-THR PP - Housing screw connection

1027679

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Housing screw connection, Pin, M12-Push-Pull, Front mounting, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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