SACC-CI-M12FS-8CON-L90 SCO - Contact carrier

1436990

https://www.phoenixcontact.com/us/products/1436990

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Contact carrier, 8-position, Socket, angled, M12, coding: A, PCB mounting, Wave soldering, this item is undergoing a smooth changeover, lead-free alternative in accordance with RoHS II without exception 6c (Pb < 0.1%) possible on request in advance

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	1436990
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB23
Product key	ABQAHS
Catalog page	Page 252 (C-2-2013)
GTIN	4046356438568
Weight per piece (including packing)	5.557 g
Weight per piece (excluding packing)	3.881 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.

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	Wave soldering

Signaling

Status display	no
Status display present	no

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM / EPDM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6

Connector

SACC-CI-M12FS-8CON-L90 SCO - Contact carrier

1436990

https://www.phoenixcontact.com/us/products/1436990

Connection 1

Head design	Socket
Head cable outlet	angled
Head thread type	M12
Coding	A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

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

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

Mounting

Mounting type	PCB mounting

Packaging specifications

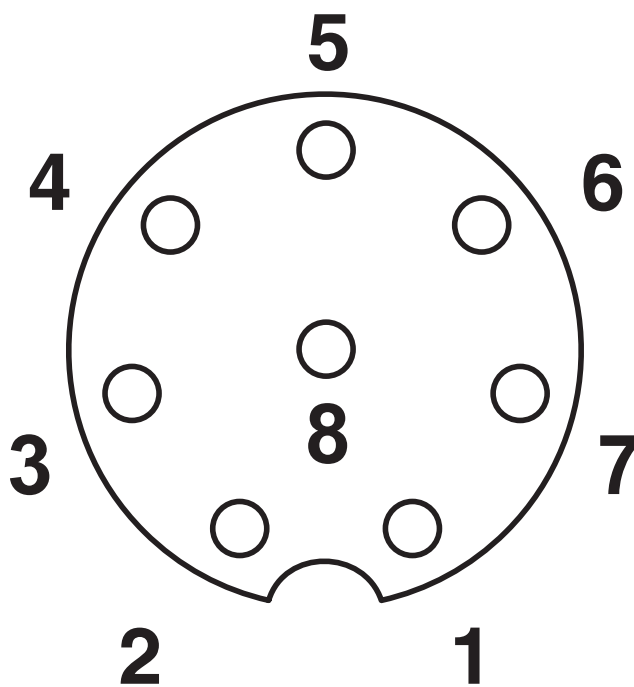|	
Type of packaging	Blister

PHŒNIX CONTACT

Drawings

Schematic diagram

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

SACC-CI-M12FS-8CON-L90 SCO - Contact carrier

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1436990

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	-

Classifications

ECLASS

ECLASS-13.0	27440110

ETIM

ETIM 9.0	EC003568

UNSPSC

UNSPSC 21.0	39121400

SACC-CI-M12FS-8CON-L90 SCO - Contact carrier

1436990

https://www.phoenixcontact.com/us/products/1436990

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	04975a82-9cbb-44b2-b11c-5950a654df46

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com