

SACC-CIM12MS8PL180THRSHSAMPLE - Contact carrier



1413553

<https://www.phoenixcontact.com/us/products/1413553>

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.

Sensor/actuator flush-type plug, 8-pos., shielded, with straight THR solder connection



Commercial data

Item number	1413553
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	NULL
Product key	ABQAGA
GTIN	4055626008233
Weight per piece (including packing)	4.8 g
Weight per piece (excluding packing)	2.863 g
Customs tariff number	85366990
Country of origin	DE

SACC-CIM12MS8PL180THRSAMPLE - Contact carrier



1413553

<https://www.phoenixcontact.com/us/products/1413553>

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
Number of positions	8
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	2 A

Connection data

Connection method	THR solder connection
-------------------	-----------------------

Signaling

Status display	no
Status display present	no

Material specifications

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

Connector

Connection 1

Head design	Pin
-------------	-----

SACC-CIM12MS8PL180THRSAMPLE - Contact carrier



1413553

<https://www.phoenixcontact.com/us/products/1413553>

Head cable outlet	straight
Head thread type	M12
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	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 85 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 85 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

SACC-CIM12MS8PL180THRSHSAMPLE - Contact carrier

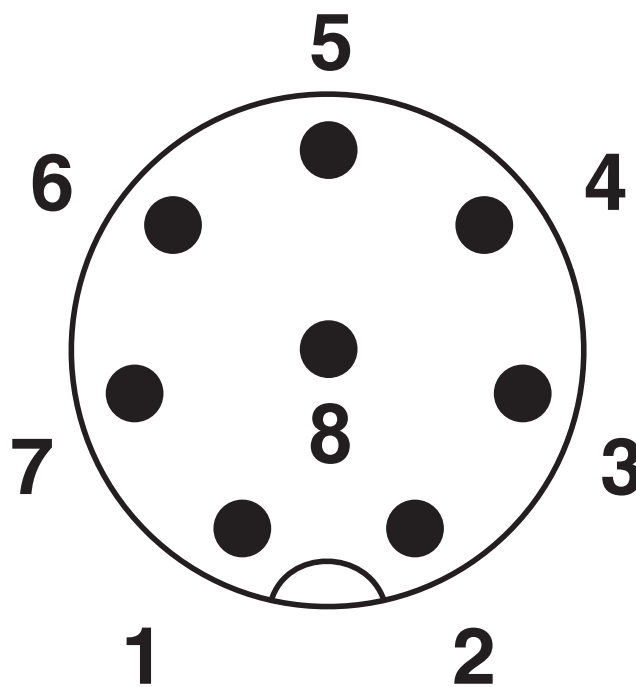


1413553

<https://www.phoenixcontact.com/us/products/1413553>

Drawings

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

SACC-CIM12MS8PL180THRSAMPLE - Contact carrier



1413553

<https://www.phoenixcontact.com/us/products/1413553>

Classifications

ETIM

ETIM 9.0

EC003557

UNSPSC

UNSPSC 21.0

39121400

SACC-CIM12MS8PL180THRSAMPLE - Contact carrier



1413553

<https://www.phoenixcontact.com/us/products/1413553>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

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