

1457681

<https://www.phoenixcontact.com/gb/products/1457681>

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, straight, M12, A-coding, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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	1457681
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	ABQAGH
Product key	ABQAGH
GTIN	4046356617437
Weight per piece (including packing)	7.28 g
Weight per piece (excluding packing)	2.975 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
No. of control contacts	8
Seal present	yes
Shielded	yes
Coding	A
Thread type	M12

Insulation characteristics

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
-------------------	-----------------------

Material specifications

Material Contact carrier	PPA
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

SACC-CI-M12FS-8CON-SH TOR 32 - Contact carrier



1457681

<https://www.phoenixcontact.com/gb/products/1457681>

Coding	A
--------	---

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (correctly plugged in and locked)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
	-40 °C ... 85 °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

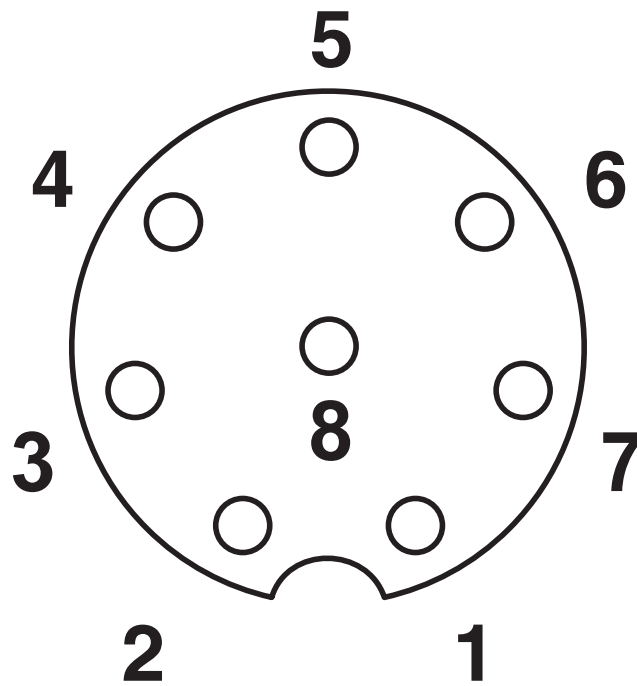
Type of packaging	Belt
Delivery state	with assembly pad

1457681

<https://www.phoenixcontact.com/gb/products/1457681>

Drawings

Schematic diagram



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

SACC-CI-M12FS-8CON-SH TOR 32 - Contact carrier



1457681

<https://www.phoenixcontact.com/gb/products/1457681>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1457681>

 UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	30 V	2 A	24	-

 cULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	30 V	2 A	-	-

1457681

<https://www.phoenixcontact.com/gb/products/1457681>

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

1457681

<https://www.phoenixcontact.com/gb/products/1457681>

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 Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk