

SACC-MCI-M12MS-8CON/1,5 - Contact carrier



1425791

<https://www.phoenixcontact.com/us/products/1425791>

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.

Assembled contact carrier and insulating body with 1.5 m litz wires and crimp contacts



Your advantages

- Convenient field assembly: device connectors for fast on-site mounting
- Contact carriers that are designed for assembly or available with preassembled litz wires
- Customer-specific assemblies and litz wire lengths available
- Standard pin assignments for signal and power transmission with a uniform design-in design

Commercial data

Item number	1425791
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	ABQCED
GTIN	4055626428185
Weight per piece (including packing)	50.15 g
Weight per piece (excluding packing)	50.15 g
Country of origin	DE

SACC-MCI-M12MS-8CON/1,5 - Contact carrier



1425791

<https://www.phoenixcontact.com/us/products/1425791>

Technical data

Product properties

Product type	Contact insert
Number of positions	8
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

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	Individual wires
-------------------	------------------

Signaling

Status display	no
Status display present	no

Material specifications

Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0
Outer sheath, material	TPE

Connector

Connection 1

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

Cable/line

Cable type	TPE litz wire
Outer sheath, material	TPE
Conductor structure signal line	0.25 mm
AWG signal line	24
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)

SACC-MCI-M12MS-8CON/1,5 - Contact carrier



1425791

<https://www.phoenixcontact.com/us/products/1425791>

	-25 °C ... 85 °C (Cable, flexible installation)
--	---

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
Ambient temperature (operation) (fixed installation)	-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)

Standards and regulations

M12

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

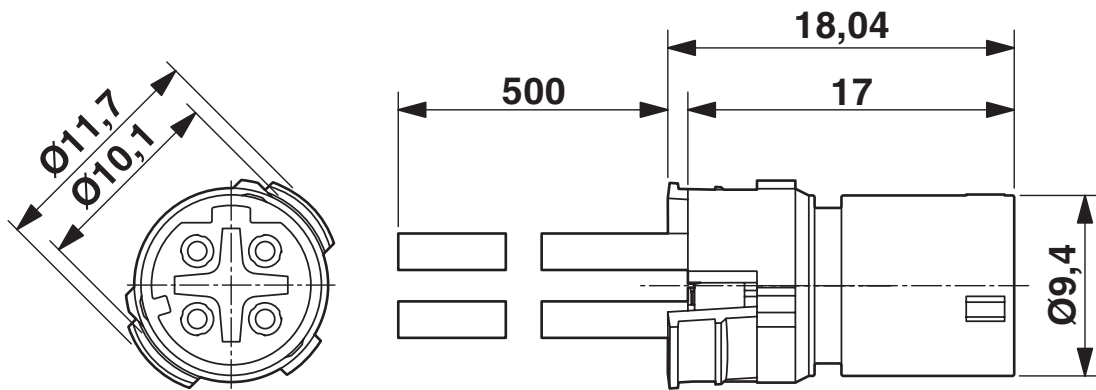
SACC-MCI-M12MS-8CON/1,5 - Contact carrier

1425791

<https://www.phoenixcontact.com/us/products/1425791>

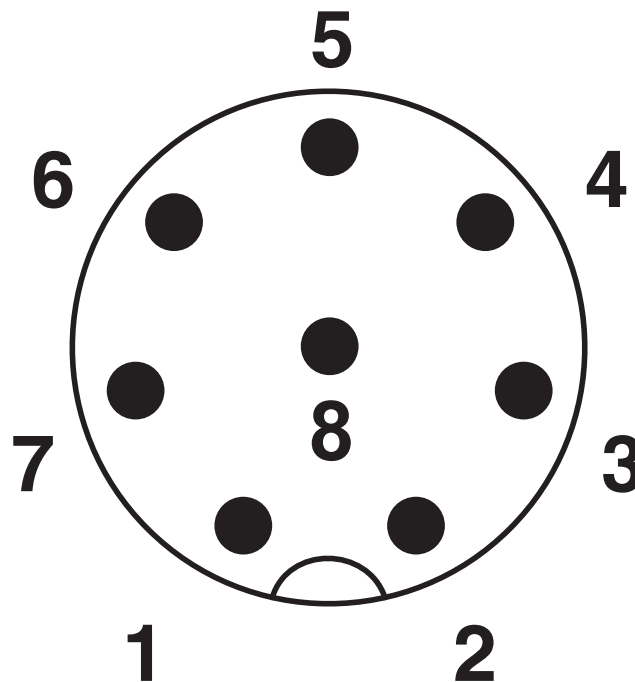
Drawings

Dimensional drawing



The figure shows the 4-pos., D-coded version

Schematic diagram



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

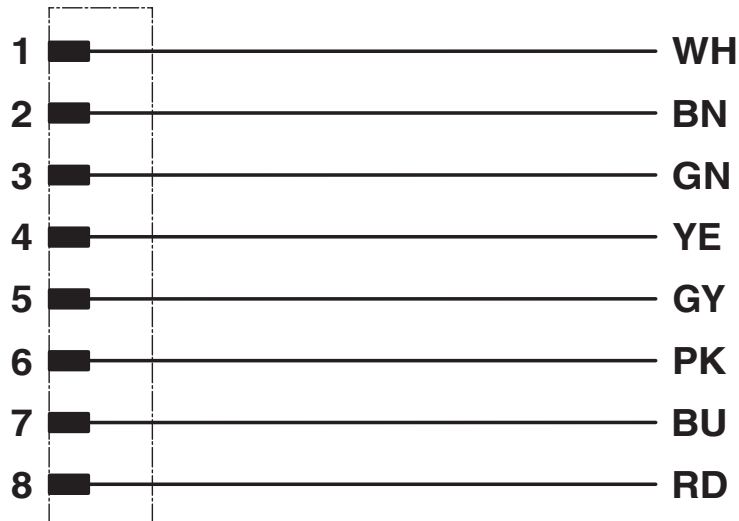
SACC-MCI-M12MS-8CON/1,5 - Contact carrier



1425791

<https://www.phoenixcontact.com/us/products/1425791>

Circuit diagram



Contact assignment of the M12 plug

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