SACC-DSI-M 8MS-4CON-M 8/1,0 - Device connector rear mounting

1190350

https://www.phoenixcontact.com/us/products/1190350

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.



Device connector rear mounting, 4-position, Pin, straight, M8, A-coding, on free cable end, Individual wires, cable length: 1 m, 0.25 mm^2, PVC litz wire

Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- Standard pin assignments and codings for signal transmission with a uniform design-in design

Commercial data

Item number	1190350
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQYAA
GTIN	4063151239923
Weight per piece (including packing)	23 g
Weight per piece (excluding packing)	23 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Mounting

Mounting type	Rear mounting (M8 x 1, with flat nut)
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

Product properties

Product type	Circular connectors (device side)
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	HB
Seal material	FKM
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PUR/PA 6.6
Material for screw connection	Brass, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	50 V AC
	60 V DC
Nominal current I_N	4 A
Max. conductor resistance	80 Ω/km

Connection data

Conductor connection

Connection method	Individual wires
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M8
Coding	A

Connection 2

Head design	free cable end

Cable/line

Cable length	1 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.5 mm ±0.1 mm
Single wire, color	brown, white, blue, black
Cable cross section	0.25 mm²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.20 mm
AWG signal line	24
Material wire insulation	PVC / UL
Thickness, insulation	0.21 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≥ 80 Ω/km
Cable insulation resistance	≥ 20 MΩ*km
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-10 °C ... 105 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

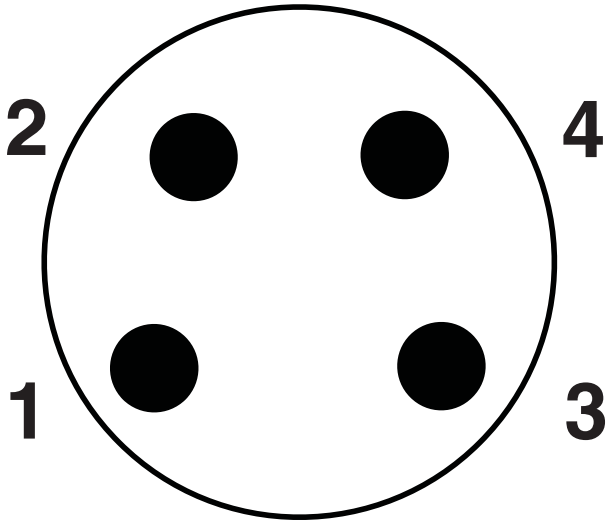
Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	-10 °C ... 105 °C (Cable, flexible installation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M8 circular connector
Standards/specifications	according to IEC 61076-2-104

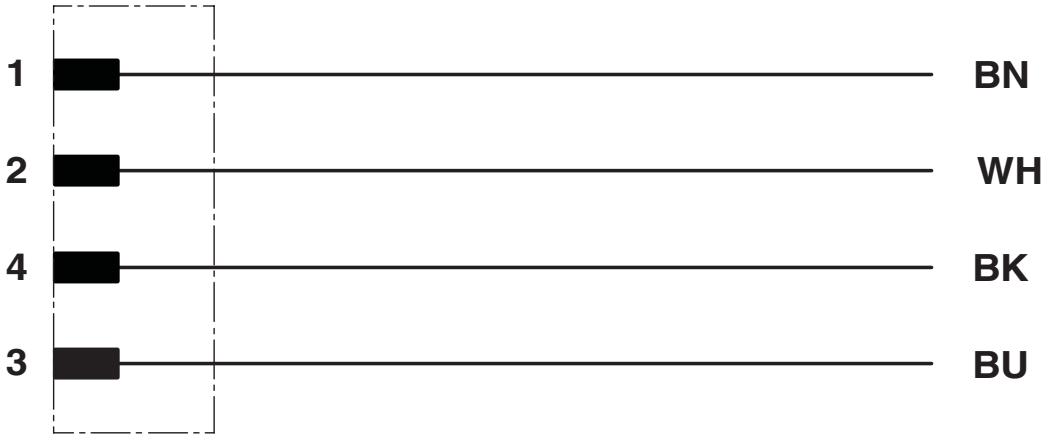
Drawings

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

Circuit diagram



Contact assignment of M8 plugs/sockets

Classifications

ECLASS

ECLASS-13.0	27440103
ECLASS-15.0	27440103

ETIM

ETIM 10.0	EC003570

UNSPSC

UNSPSC 21.0	39121400

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	ebca3881-6a38-4ca5-89c2-1e678f860ca1

EF3.1 Climate Change

CO2e kg	1.241 kg CO2e

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