SACC-DSI-M8FS-6CON-M10/0,5 - Device connector rear mounting

1456103

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Device connector rear mounting, 6-position, Socket, straight, M8, A-coding, on free cable end, Individual wires, cable length: 0.5 m, 0.14 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	1456103
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQIDB
GTIN	4046356605885
Weight per piece (including packing)	15.6 g
Weight per piece (excluding packing)	10.5 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Mounting

Mounting type	Rear mounting (M10, with flat nut)
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

Product properties

Product type	Circular connectors (device side)
Application	Data
Number of positions	6
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Flammability rating according to UL 94	HB
Material grommet GRP	Viton
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PUR/PA 6.6
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	1.5 A
Max. conductor resistance	80 Ω/km

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Socket

Conductor cross-section	0.14 mm²
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

Connector

Connection 1

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

Connection 2

Head design	free cable end

Cable/line

Cable length	0.5 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.3 mm ±0.1 mm
Single wire, color	black, brown,blue, white, gray, pink
Cable cross section	0.14 mm²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Material wire insulation	PVC / UL
Thickness, insulation	0.38 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

Environmental and real-life conditions

Ambient conditions

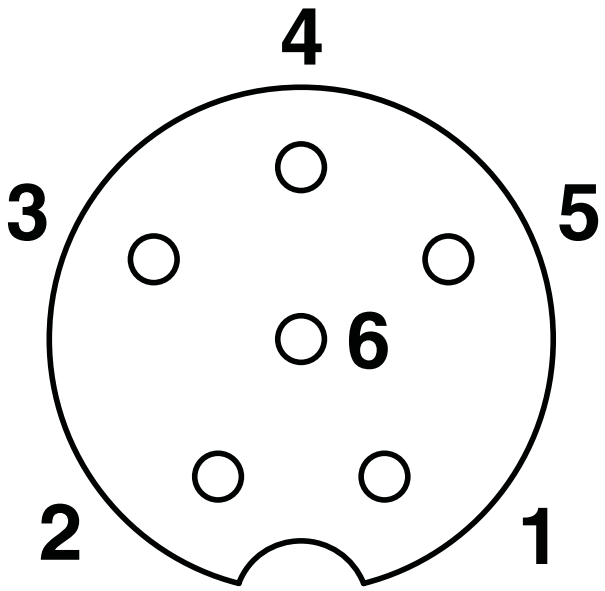
Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Socket)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	-10 °C ... 105 °C

Standards and regulations

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

Drawings

Schematic diagram



Pin assignment M8 socket, 6-pos.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1456103

cUL Recognized
Approval ID: E221474-20070307

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	1.5 A	26	-

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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	531b772b-37d6-4975-9996-4ef1a6fb4c21

EF3.1 Climate Change

CO2e kg	1.691 kg CO2e

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