

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

rear mounting



1456103
<https://www.phoenixcontact.com/us/products/1456103>

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Device connector rear mounting, 6-position, Socket, straight, M8, Rear mounting, M10, Individual wires, cable length: 0.5 m, 0.14 mm², 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
Catalog page	Page 34 (C-2-2019)
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

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Technical data

Mounting

Mounting type	Rear mounting M10 With flat nut
Assembly instructions	With flat nut

Product properties

Product type	Circular connectors (device side)
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

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

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 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 mm ²
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

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Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8

Cable/line

Cable length	0.5 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.3 mm $\pm$ 0.1 mm
Single wire, color	black, brown, blue, white, gray, pink
Cable cross section	0.14 mm ²
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	$\geq 80 \Omega/\text{km}$
Cable insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
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
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Socket)
	-40 °C ... 105 °C (cable, fixed installation)
	-10 °C ... 105 °C

Standards and regulations

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

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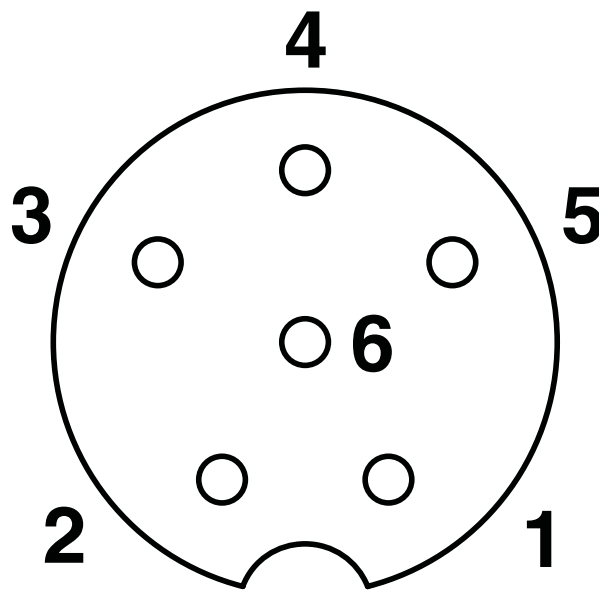


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Drawings

Schematic diagram



Pin assignment M8 socket, 6-pos.

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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
	30 V	1.5 A	26 - 26	-

 UL Recognized Approval ID: E221474-20070307				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	1.5 A	26 - 26	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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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

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