

SACC-E-M 8FS-6CON-M 8/0,5 - Device connector front mounting



1542677

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Device connector front mounting, 6-position, Socket, straight, M8, Front mounting, M8 x 0.5, 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	1542677
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQIBA
Catalog page	Page 33 (C-2-2019)
GTIN	4046356097703
Weight per piece (including packing)	14.9 g
Weight per piece (excluding packing)	13.36 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Mounting

Mounting type	Front mounting M8 x 0.5
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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	PA 6.6
Material for screw connection	Brass, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

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	0.8 Nm ... 1 Nm (Installation-side)

Connector

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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
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	18x 0.10 mm
AWG signal line	26
Material wire insulation	TPE
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 ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (Cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)

Standards and regulations

M8

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

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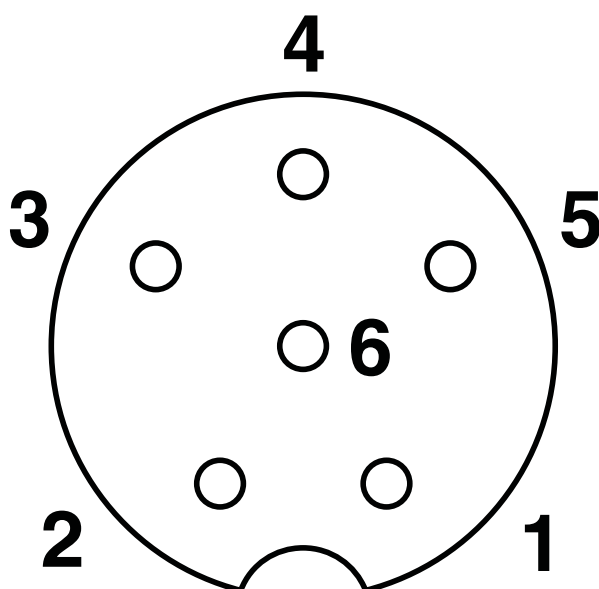


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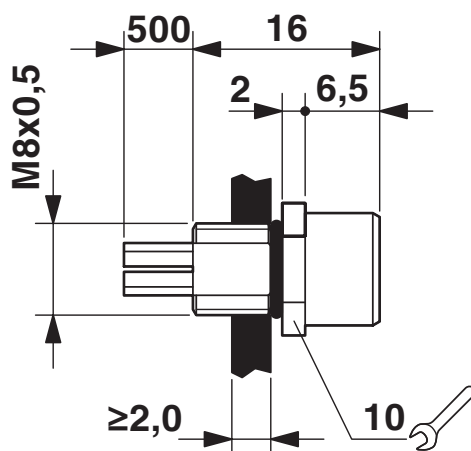
Drawings

Schematic diagram



Pin assignment M8 socket, 6-pos.

Dimensional drawing



Dimensional drawing

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Approvals

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 cUL Recognized Approval ID: FILE E 221474				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	1.5 A	- 26	-

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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

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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