

SACC-DSI-M12MSL4FE-M16XL/0,2GR - Device connector rear mounting



1425584

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Device connector rear mounting, Power, 5-position, Pin, straight, M12-Standard, coding: L, on free cable end, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.2 m, 2.50 mm², TPE litz wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239515

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
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- For high transmission safety: shield connection to the housing with optional EMC nut
- SPEEDCON fast locking system reduces cabling times

Commercial data

Item number	1425584
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCGG
Catalog page	Page 286 (C-2-2019)
GTIN	4055626424330
Weight per piece (including packing)	51.2 g
Weight per piece (excluding packing)	23.11 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Notes

Order information:	Lock nut is included in the scope of delivery
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Mounting

Mounting type	Rear mounting M16 x 1.5 XL version, with flat nut, tightening limitation
Thread type	()
Assembly note	XL version, with flat nut, tightening limitation

Product properties

Product type	Circular connectors (device side)
Sensor type	Power
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	L
Thread type	M12

Data management status

Article revision	10
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Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Seal material	FKM
Material of grip body	Zinc die-cast, nickel-plated
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated voltage in acc. with IEC 61076-2-101	63 V
Rated surge voltage	1.5 kV
	1.5 kV AC/DC
Nominal voltage U_N	63 V DC

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Nominal current I _N	16 A
Test voltage	1.5 kV
Test voltage Core/Core	6 kV

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	2.5 mm ²
Tightening torque	0.8 Nm ... 1.3 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
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Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	Standard
Coding	L

Connection 2

Head design	free cable end
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Cable/line

Cable length	0.2 m
Cable type	TPE litz wire
Signal type/category	Power
Single wire, color	brown 1, white 2, blue 3, black 4, pink FE
Cable cross section	2.5 mm ²
Conductor material	Tin-plated Cu litz wires
AWG signal line	14
Test voltage Core/Core	6 kV
Halogen-free	according to IEC 60754-1
Flame resistance	in acc. with UL FT-2
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-25 °C ... 105 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

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Degree of protection	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 105 °C (Cable, flexible installation)
	-40 °C ... 105 °C (cable, fixed installation)

Standards and regulations

Flame resistance	in acc. with UL FT-2
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M12

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

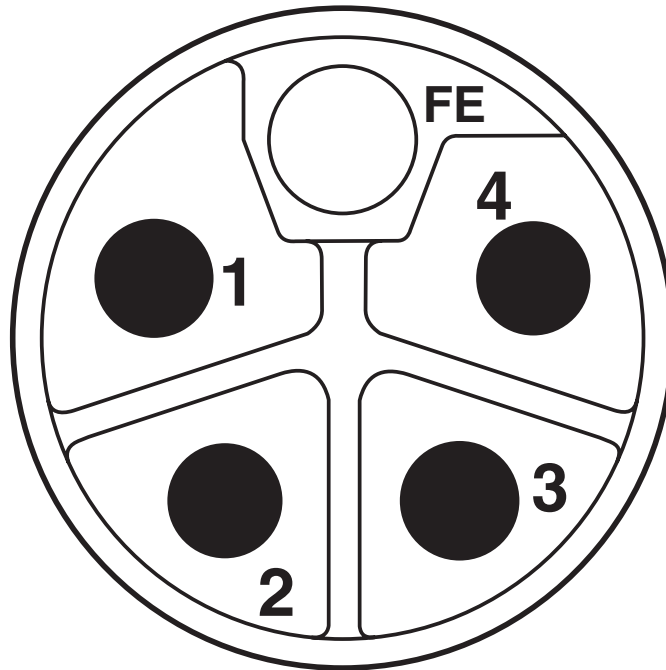
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Drawings

Schematic diagram



Pin assignment of M12 connector, 5-pos., L-coded, pin side view


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Approvals

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	cULus Recognized Approval ID: E468743-20180113			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	63 V	16 A	14 - 14	-

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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	b25d943e-bad4-4677-a532-3b8029310013

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