

Flush-type connector - SACC-E-M12FSM-5PE-M16XL/0,2 - 1415301

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Flush-type connector, Power, 6-position, Socket, M12, M - Power, Front mounting, M16 x 1.5, Individual wires, cable length: 0.2 m

Why buy this product

- ✓ For compact devices: transmit high power in a confined space
- ✓ Easy-to-install, optimized XL housing contour with wrench size 19
- ✓ Tightening limitation for the O-ring gasket
- ✓ Pre-assembled with litz wires for immediate use
- ✓ Customer-specific assemblies and litz wire lengths available
- ✓ Sealed on the litz wire side for optimum leak-tightness
- ✓ For high transmission safety: shield connection to the housing with optional EMC nut

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4055626056296
Weight per Piece (excluding packing)	0.010 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	0.2 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

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Technical data

General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	8 A
Rated voltage	630 V
Rated surge voltage	6 kV
Number of positions	6
Coding	M - Power
Standards/regulations	M12 connector IEC 61076-2-111 In line with
Signal type/category	Power
Status display	No
Overvoltage category	III
Degree of pollution	3
Test voltage	6 kV
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	0.8 Nm ... 1.3 Nm (Installation-side)
Mounting type	Front mounting M16 x 1.5

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM
Additional material specifications	PU 2K (Grout material)

Cable

Cable type	UL/cUL stranded hook-up wire
Conductor cross section	1.31 mm ²
AWG signal line	16
Core diameter including insulation	2.2 mm
Wire colors	black 1, black 2, black 3, black 4, black 5, green/yellow
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Flame resistance	in acc. to UL 1581 VW1
Halogen-free	yes

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Technical data

Cable

Ambient temperature (operation)	-40 °C ... 85 °C (without mechanical actuation)
	-40 °C ... 105 °C (cable, fixed installation)
	-20 °C ... 105 °C (cable, flexible installation)

Standards and Regulations

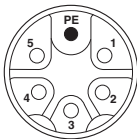
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flame resistance	in acc. to UL 1581 VW1
Halogen-free	yes
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

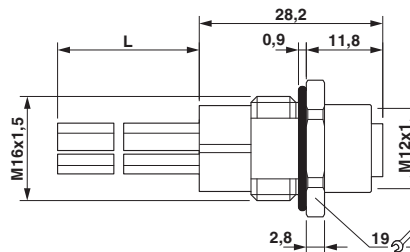
Drawings

Schematic diagram



Pin assignment of M12 socket, 6-pos., M-coded, socket side view

Dimensional drawing



M12 flush-type socket

Classifications

eCl@ss

eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002061
ETIM 6.0	EC002061

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Classifications

UNSPSC

UNSPSC 13.2	39121413
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Accessories

Accessories

Flat nut

Flat nut - SACC-E-MU-M16 - 1504097



Flat nut with M16 thread