

Flush-type connector - SACC-E-M12FSS-3P-M16/0,5 PE - 1411654

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Flush-type connector, Power, 3-position, SocketLink:M12, S power, Front mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m



Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 937498
Weight per Piece (excluding packing)	41.2 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABQEAB
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of cable	0.5 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)

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	16 A
Rated voltage	630 V
Rated surge voltage	2 kV
Number of positions	3
Insulation resistance	≥ 100 MΩ

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Technical data

General

Coding	S power
Standards/regulations	M12 connector
Signal type/category	Power
Status display	No
Overvoltage category	III
Pollution degree	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (M12 connector)
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	CuZn alloy, nickel-plated
Sealing material	FKM

Cable

Cable type	PP litz wire
Conductor cross section	1.5 mm ²
AWG signal line	16
Wire colors	black 1, black 2, green/yellow
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-30 °C ... 90 °C (cable, flexible installation)

Standards and Regulations

Standard designation	M12 connector
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440103

ETIM

ETIM 4.0	EC002061
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Classifications

ETIM

ETIM 5.0	EC002061
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Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed	
mm ² /AWG/kcmil	16
Nominal current I _N	12 A
Nominal voltage U _N	600 V

cUL Listed	
mm ² /AWG/kcmil	16
Nominal current I _N	12 A
Nominal voltage U _N	600 V

cULus Listed	
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Accessories

Accessories

Flat nut

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Accessories

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



Flat nut with M16 thread

Drawings

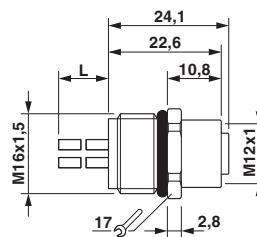
Schematic diagram



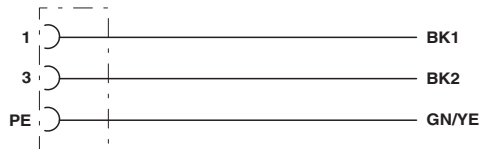
Pin assignment: M12 socket, 3-pos., S-coded, view of socket side

M12 flush-type socket

Dimensional drawing

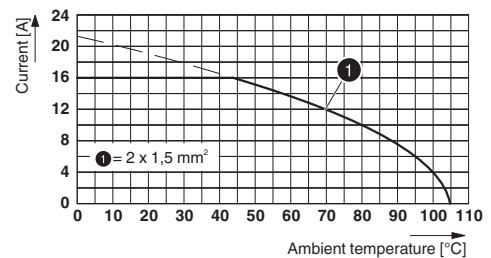


Circuit diagram



Contact assignment of the M12 socket

Diagram



Derating diagram