Flush-type connector - SACC-DSI-M12FSS-4CON-M16/0,5PE - 1424133

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

Flush-type connector, Power, 4-position, SocketLink:M12, S power, Rear mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m

Why buy this product

- For compact devices: transmit high power in a confined space
- Protection against mismatching thanks to S-coding
- 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 693356
GTIN	4046356693356
Weight per Piece (excluding packing)	52.100 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	0.5 m

Ambient conditions

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

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

Flush-type connector - SACC-DSI-M12FSS-4CON-M16/0,5PE - 1424133

Technical data

General

	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	12 A
Rated voltage	630 V
Rated surge voltage	6 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	S power
Standards/regulations	M12 connector
Signal type/category	Power
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (M12 connector)
Mounting type	Rear mounting M16 x 1.5 With flat nut

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 mm²
AWG signal line	16
Wire colors	Black 1, black 2, black 3, green/yellow
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector
Ambient temperature (operation)	-40 °C ... 85 °C (without mechanical actuation)
	-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

Environmental Product Compliance

Flush-type connector - SACC-DSI-M12FSS-4CON-M16/0,5PE - 1424133

Technical data

Environmental Product Compliance

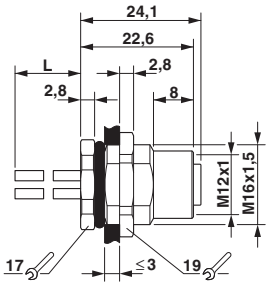
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Schematic diagram

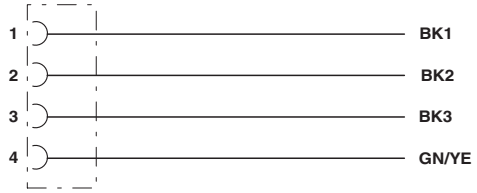
Pin assignment of M12 socket, 4-pos., S-coded, socket side view

Dimensional drawing



M12 flush-type socket

Circuit diagram



Contact assignment of the M12 socket

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061

Flush-type connector - SACC-DSI-M12FSS-4CON-M16/0,5PE - 1424133

Classifications

ETIM

ETIM 4.0	EC002062
ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743

mm²/AWG/kcmil	16
Nominal current IN	12 A
Nominal voltage UN	600 V

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743

mm²/AWG/kcmil	16
Nominal current IN	12 A
Nominal voltage UN	600 V

Flush-type connector - SACC-DSI-M12FSS-4CON-M16/0,5PE - 1424133

Approvals

EAC		B.01742

cULus Listed	