Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

PHŒNIX CONTACT

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, Socket, 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	
GTIN	4046356693356

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 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

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

Technical data

General

Rated voltage	630 V
Rated surge voltage	6 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	S 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	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
Additional material specifications	PU 2K (Grout material)

Cable

Cable type	UL/cUL stranded hook-up wire
Conductor cross section	1.31 mm²
AWG signal line	16
Core diameter including insulation	2.2 mm
Wire colors	Black 1, black 2, black 3, 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
Ambient temperature (operation)	-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

PHŒNIX CONTACT

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

Technical data

Standards and Regulations

Halogen-free	yes
Flammability rating according to UL 94	V0

Environmental Product Compliance

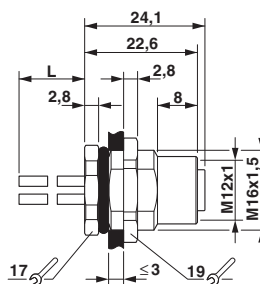| REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

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

Dimensional drawing

M12 flush-type socket

Circuit diagram

1 — BK1
2 — BK2
3 — BK3
4 — GN/YE

Contact assignment of the M12 socket

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

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

Approvals

Approval details

UL Listed	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
Nominal voltage UN	600 V	
Nominal current IN	12 A	
mm²/AWG/kcmil	16	

cUL Listed	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
Nominal voltage UN	600 V	
Nominal current IN	12 A	
mm²/AWG/kcmil	16	

EAC		B.01742

cULus Listed	