

Flush-type connector - SACC-DSI-M 8MS-4CON-M 8/0,5 - 1453481

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Sensor/actuator flush-type plug, 4-pos., M8, rear/screw mounting, with M8 thread, with 0.5 m TPE litz wire, 4 x 0.25 mm²



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	20.0 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	0.5 m
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Ambient conditions

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

General

Rated current at 40°C	4 A
Rated voltage	50 V AC 60 V DC
Rated surge voltage	1.5 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	No
Overvoltage category	II

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Technical data

General

Pollution degree	3
Connection method	Individual wires
Mounting type	Rear mounting M8 x 1

Material

Flammability rating according to UL 94	HB
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PUR / PA66
Material, knurls	Nickel-plated brass
Sealing material	FKM

Cable

Cable type	TPE litz wire
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.15 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	brown, white, blue, black
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≥ 80 Ω/km
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-25 °C ... 90 °C (cable, fixed installation)

Standards and Regulations

Standard designation	M8 connector
Standards/regulations	IEC 61076-2-104
Connection in acc. with standard	CUL
Flammability rating according to UL 94	HB

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313

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Classifications

eCl@ss

eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

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

Approvals

Approvals


Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
Nominal current IN	4 A

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Approvals

Nominal voltage UN	125 V
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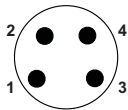
cUL Recognized	
Nominal current IN	4 A
Nominal voltage UN	125 V

EAC

cULus Recognized	
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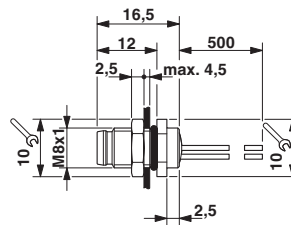
Drawings

Schematic diagram



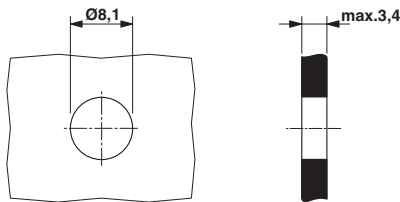
Pin assignment M8 plug, 4-pos., view male side

Dimensional drawing



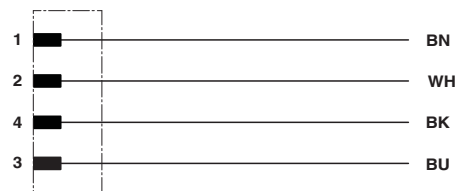
M8 flush-type plug

Dimensional drawing



Housing cutout for M8 flush-type connector, connector, one-section


Circuit diagram



Contact assignment of M8 plugs/sockets

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