

Device connector, rear mounting - SACC-DSI-M8FS-8CON-M10-L180 SH



1424235

<https://www.phoenixcontact.com/au/products/1424235>

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Sensor/actuator flush-type connector, socket, 8-pos. M8, rear/screw mounting with M10 fastening thread, with straight solder connection

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing and latching on the PCB

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Commercial Data

Item number	1424235
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to Order (non-returnable)
Sales Key	ABQBAB
Product Key	ABQBAB
Catalog Page	Page 229 (C-2-2013)
GTIN	4046356712477
Weight per Piece (including packing)	6.765 g
Weight per Piece (excluding packing)	6.765 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Product properties

Product type	Circular connectors (device side)
Number of positions	8
Shielded	yes
Coding	A - standard

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Ambient conditions

Degree of protection	IP67
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 85 °C
	-25 °C ... 85 °C

Connector

Insertion/withdrawal cycles	> 100
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Header 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	1.5 A

Material specifications

Material	PU 2K (Grout material)
Flammability rating according to UL 94	HB
Sealing material	NBR
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PA 6.6
Cable gland material	Zinc die-cast, nickel-plated

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Connection data

Conductor connection

Connection method	Solder pins
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Mounting

Mounting type	Rear mounting M10 With flat nut
Assembly instructions	With flat nut

Standards and regulations

M8

Standards/specifications	IEC 61076-2-104
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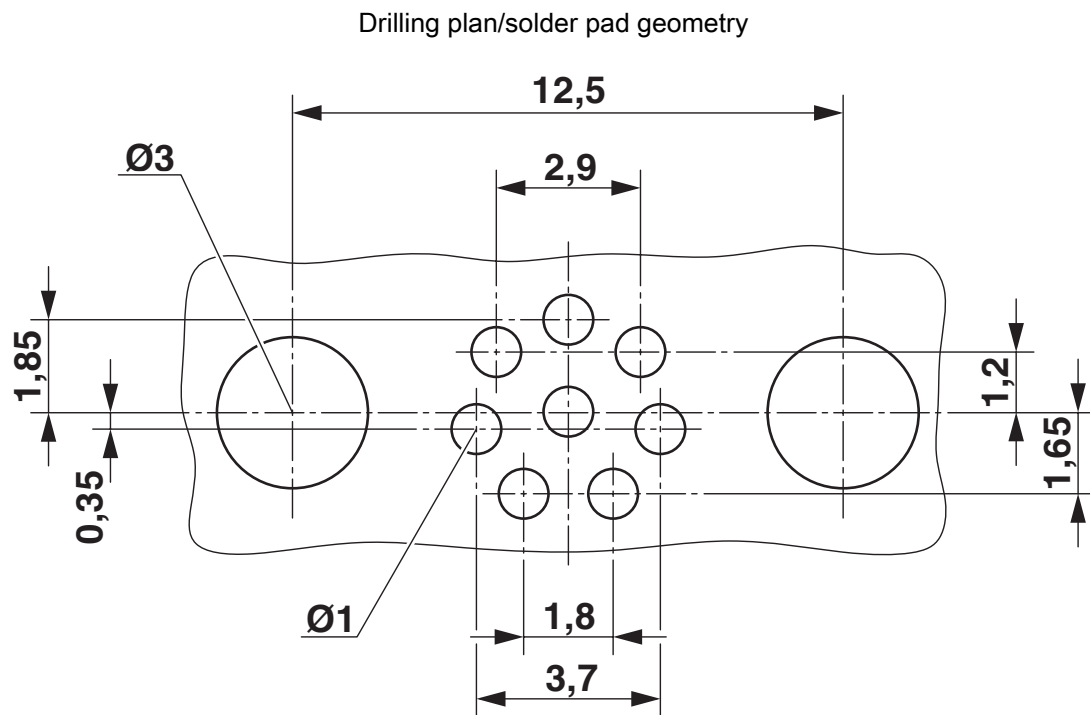
Device connector, rear mounting - SACC-DSI-M8FS-8CON-M10-L180 SH



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Drawings



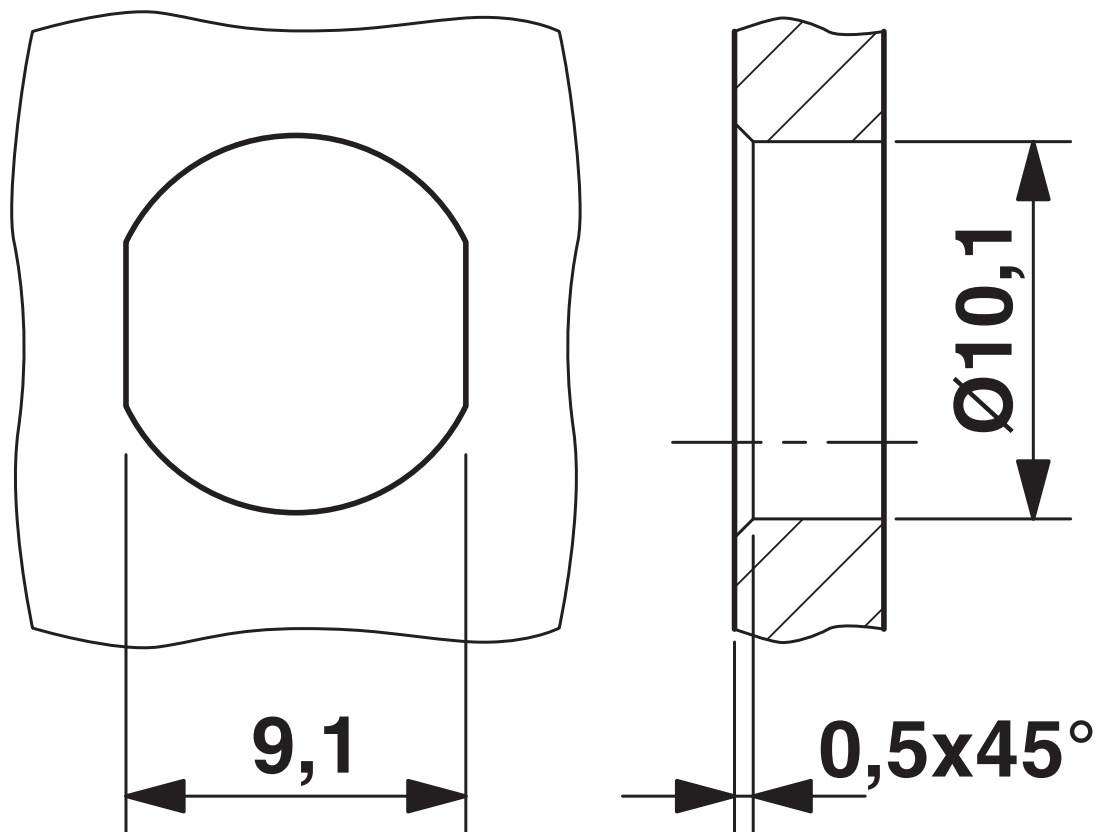
Socket drilling diagram

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Dimensional drawing



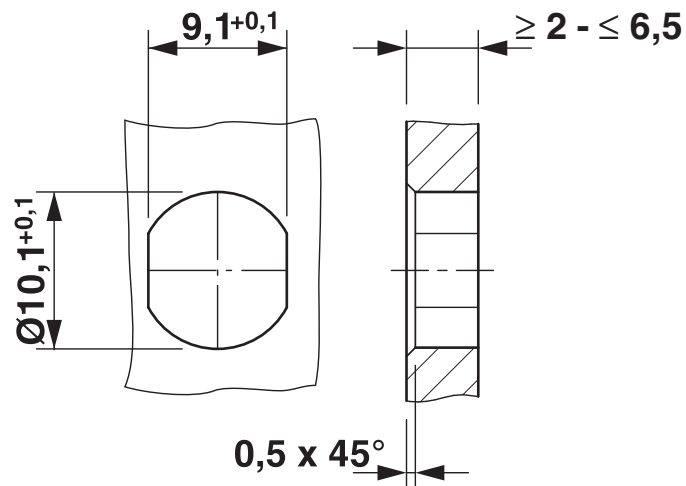
Mounting panel with feed-through hole

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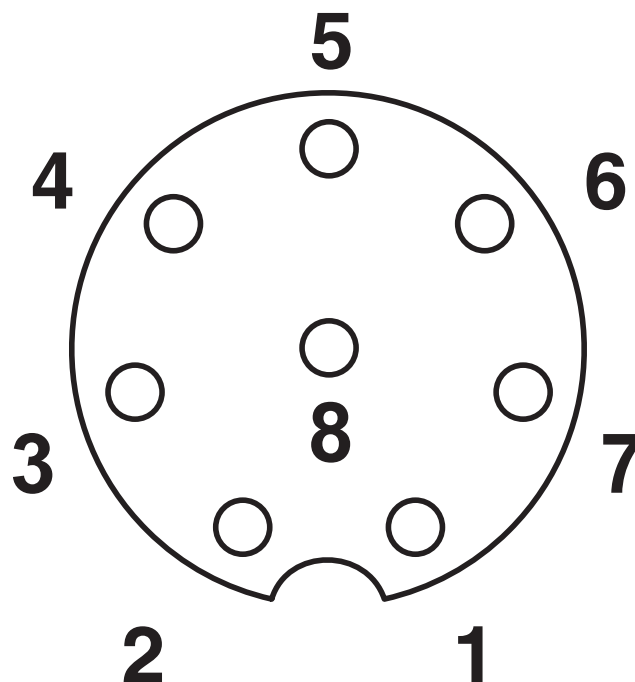
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Dimensional drawing



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

Schematic diagram



Connector pin assignment of M8 socket, 8-pos., view of socket side


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Approvals

	cUL Recognized			
	Approval ID: FILE E 221474			
		Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG
		30 V	1.5 A	- 26
				Cross Section mm ²
				-

	UL Recognized			
	Approval ID: FILE E 221474			
		Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG
		30 V	1.5 A	- 26
				Cross Section mm ²
				-

	EAC			
	Approval ID: B.01687			

cULus Recognized				
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Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

ETIM

ETIM 8.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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