

# SACC-8P-DSI-M12MS/FS-M16 - Control cabinet feed-through



1551697

<https://www.phoenixcontact.com/us/products/1551697>

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Sensor/actuator control cabinet feed-through, male to female, 8-pos., M12, shielded, bipolar/screw mounting with M16 thread



## Commercial data

Item number	1551697
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB28
Product key	ABQFAA
GTIN	4046356156202
Weight per piece (including packing)	31.7 g
Weight per piece (excluding packing)	31 g
Customs tariff number	85366990
Country of origin	CZ

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## Technical data

### Notes

Notes on operation	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.
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### Mounting

Mounting type	Bipolar mounting (M16 x 1,5)
Tightening torque	3 Nm ... 4 Nm (Installation-side)

### Product properties

Product type	Circular connectors (device side)
Number of positions	8
Shielded	no
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	HB
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Brass, nickel-plated

### 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
Nominal current $I_N$	2 A

### Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	> 100

### Connector

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## Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	Screw locking mechanism
Coding	A

## Connection 2

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
Ambient temperature (operation) (fixed installation)	-40 °C ... 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

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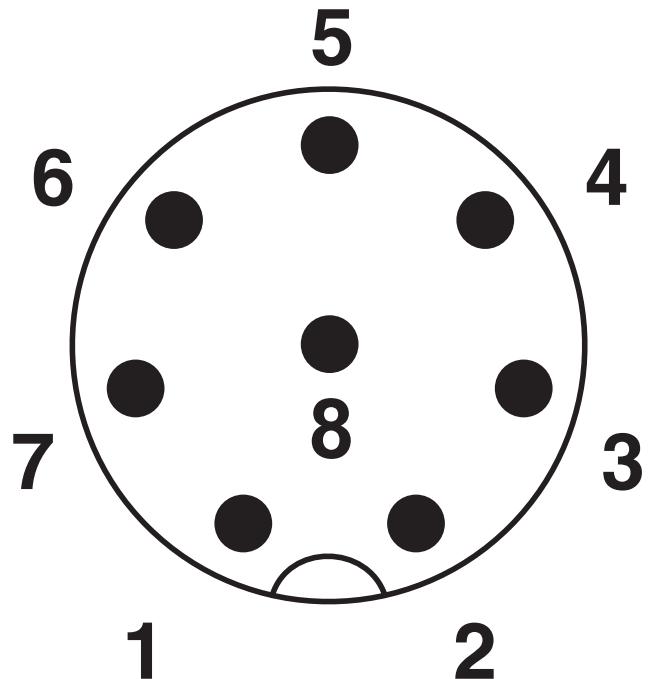


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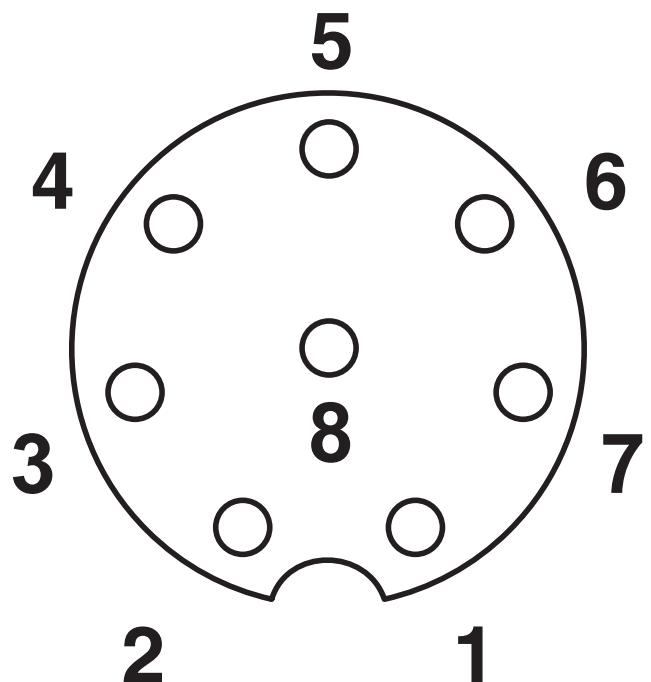
## Drawings

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

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Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

ETIM 9.0	EC003569
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	07adc8a8-6e40-4a91-a175-02299a723333

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