

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



1551697

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

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 documentation. Our general terms of use for downloads are valid.

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)	31.6 g
Weight per piece (excluding packing)	31 g
Customs tariff number	85366990
Country of origin	CZ

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



1551697

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

## 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.
--------------------	--

### 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	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage $U_N$	30 V
Nominal current $I_N$	2 A

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

### Connector

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



1551697

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

## Connection 1

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

## Connection 2

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

## Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

## 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)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 85 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 85 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

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

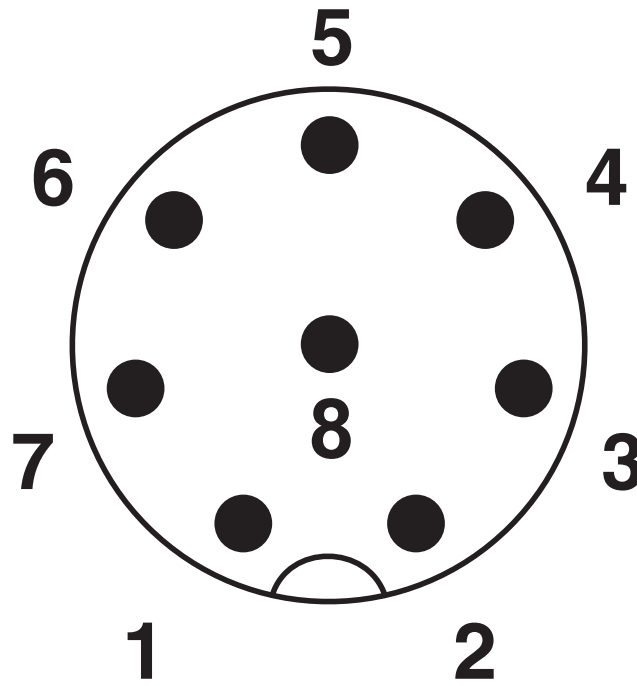
# SACC-8P-DSI-M12MS/FS-M16 - Control cabinet feed-through

1551697

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

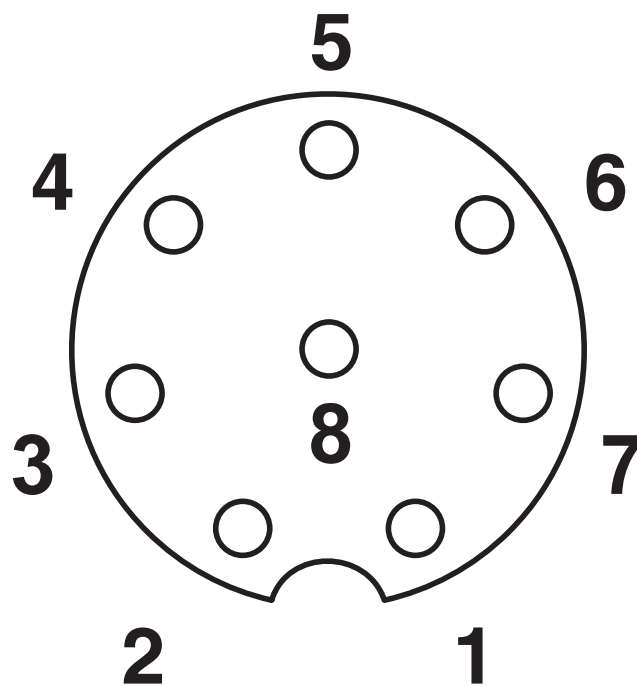
## Drawings

Schematic diagram



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

Schematic diagram



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

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



1551697

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

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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



1551697

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

## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

ETIM 9.0	EC003569
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1551697

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

## 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

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)