

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



The figure shows the front and rear view of the item

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 |

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 |
| 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 |

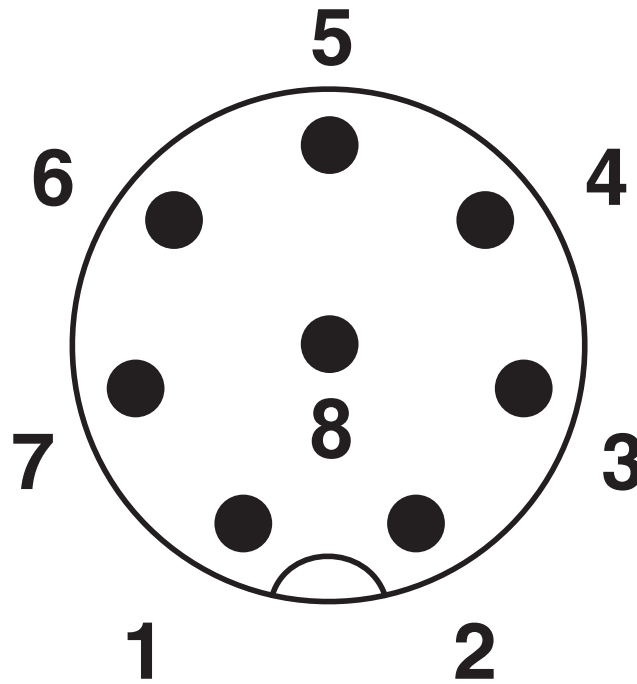
SACC-8P-DSI-M12MS/FS-M16 - Control cabinet feed-through

1551697

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

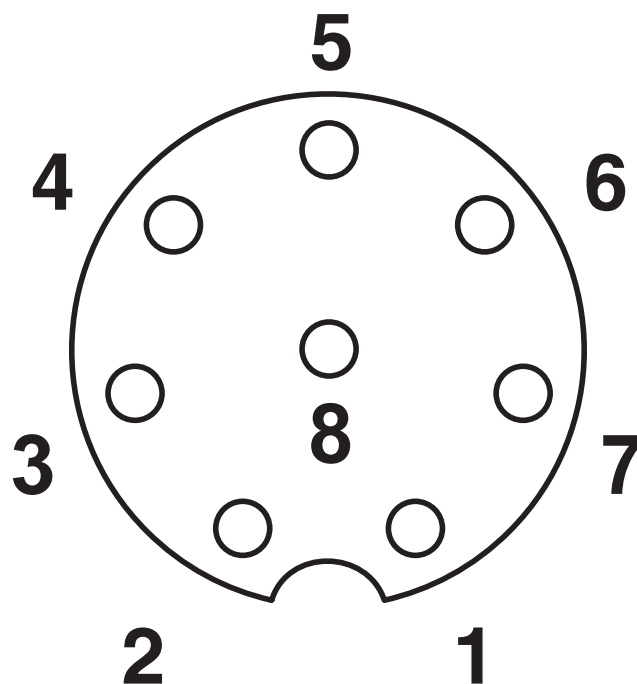
Drawings

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 10.0 | 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 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 2.692 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - 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