

SACC-DSI-MS-4P-M12-SCO KD SH - Flush-type connector



1402220
<https://www.phoenixcontact.com/us/products/1402220>

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 flush-type plug, 4-pos., M12 SPEEDCON, shielded, A-coded, rear/screw mounting with M12 thread, with straight solder connection

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1402220 |
| Packing unit | 20 pc |
| Minimum order quantity | 100 pc |
| Note | Made to order (non-returnable) |
| Product key | ABQYAA |
| GTIN | 4046356589192 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 7.674 g |
| Country of origin | DE |

SACC-DSI-MS-4P-M12-SCO KD SH - Flush-type connector



1402220

<https://www.phoenixcontact.com/us/products/1402220>

Technical data

Notes

| | |
|--------------------|--|
| Order information: | Lock nut is included in the scope of delivery |
| General | Contact connection method: Crimp connection |
| 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. |

Product properties

| | |
|---------------------|-----|
| Number of positions | 4 |
| Shielded | yes |
| Coding | A |

Insulation characteristics

| | |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution | 3 |

Electrical properties

| | |
|-----------------------|----------------------------|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 250 V |
| Nominal current I_N | 4 A |

Signaling

| | |
|------------------------|----|
| Status display | no |
| Status display present | no |

Material specifications

| | |
|--|------------------------------|
| Flammability rating according to UL 94 | V0 |
| Seal material | NBR |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 6.6 |
| Material for screw connection | Zinc die-cast, nickel-plated |

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Plug |
| Head cable outlet | straight |
| Head thread type | M12 |
| Head locking type | SPEEDCON |

SACC-DSI-MS-4P-M12-SCO KD SH - Flush-type connector



1402220

<https://www.phoenixcontact.com/us/products/1402220>

| | |
|--------|---|
| Coding | A |
|--------|---|

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Degree of protection | IP67 (When plugged in) |
| | IP65 (When plugged in) |
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |

SACC-DSI-MS-4P-M12-SCO KD SH - Flush-type connector

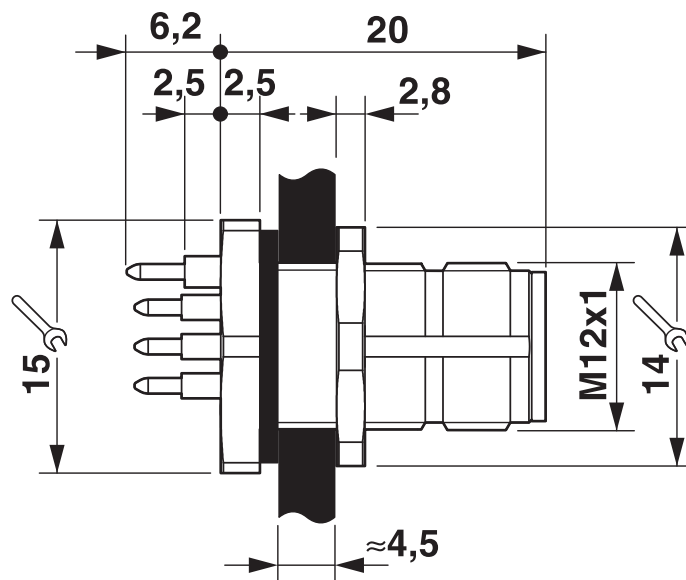


1402220

<https://www.phoenixcontact.com/us/products/1402220>

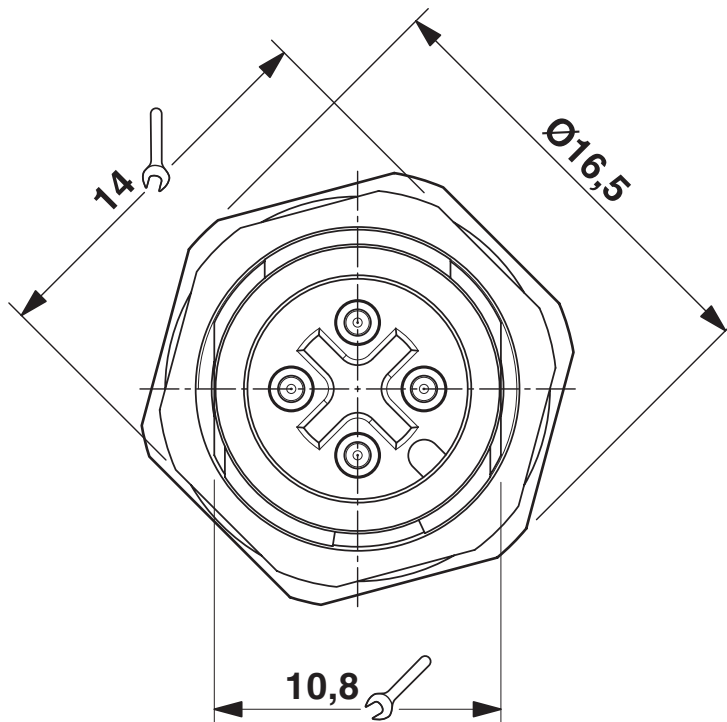
Drawings

Dimensional drawing



M12 flush-type connector

Dimensional drawing



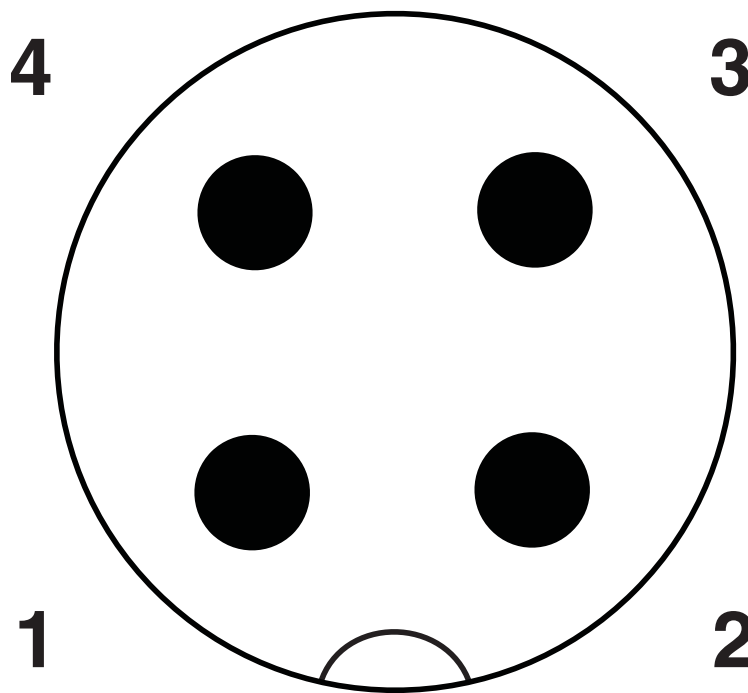
Front view of M12 flush-type connector

SACC-DSI-MS-4P-M12-SCO KD SH - Flush-type connector

1402220

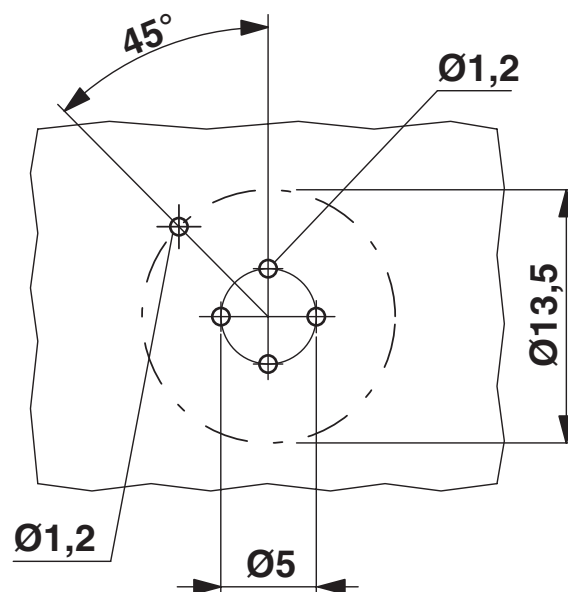
<https://www.phoenixcontact.com/us/products/1402220>

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

Drilling plan/solder pad geometry



SACC-DSI-MS-4P-M12-SCO KD SH - Flush-type connector



1402220

<https://www.phoenixcontact.com/us/products/1402220>

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) |
|-------------------------------------|----------------------|

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