

SACC-DSIV-FS-8CON-L90 SH SCO - Device connector front mounting



1437025

<https://www.phoenixcontact.com/us/products/1437025>

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Device connector front mounting, 8-position, Socket, angled, M12-SPEEDCON, A-coding, THR and wave soldering, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1437025 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB26 |
| Product key | ABQEHA |
| GTIN | 4046356438599 |
| Weight per piece (including packing) | 14.119 g |
| Weight per piece (excluding packing) | 10.804 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|---|
| Order information: | Lock nut is included in the scope of delivery |
|--------------------|---|

Mounting

| | |
|---------------|--------------------------|
| Mounting type | Front mounting (M12 x 1) |
|---------------|--------------------------|

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Number of positions | 8 |
| Shielded | yes |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

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

Material specifications

| | |
|--|----------|
| Material Housing | GD-Zn |
| Material Housing surface | Ni |
| Material Insulating body | PA 6.6 |
| Material Contact | Cu alloy |
| Material Contact surface | Au |
| Material Seal | NBR |
| Flammability rating according to UL 94 | HB |

Electrical properties

| | |
|-----------------------|----------------------------|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 60 V |
| Nominal current I_N | 4 A |

Connection data

Conductor connection

| | |
|-------------------------|------------------------|
| Connection method | THR and wave soldering |
| Contact connection type | Socket |

Connector

Connection 1

| | |
|-------------|--------|
| Head design | Socket |
|-------------|--------|

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| | |
|-------------------|----------|
| Head cable outlet | angled |
| Head thread type | M12 |
| Head locking type | SPEEDCON |
| 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) |

Standards and regulations

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

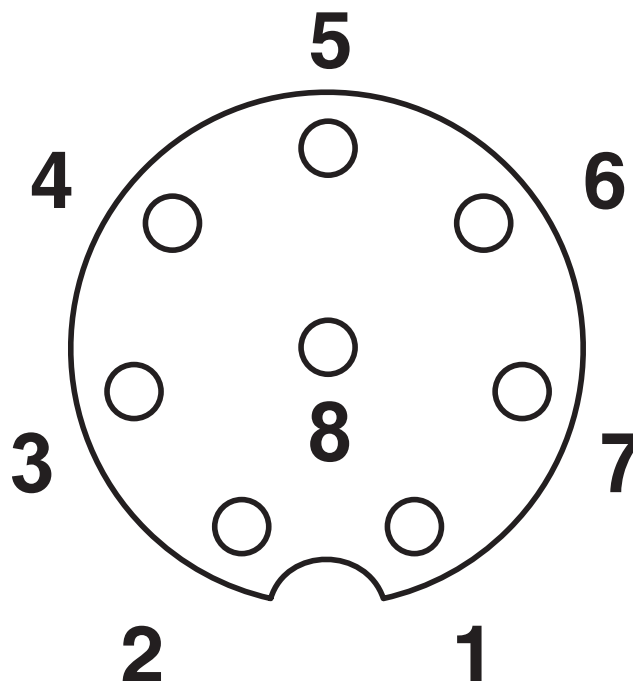
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Drawings

Schematic diagram



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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1437025>

|  UL Recognized Approval ID: E118976-20100522 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 30 V | 2 A | 24 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440110 |
| ECLASS-15.0 | 27440110 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003568 |
|-----------|----------|

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 | d9fffe08-41fc-4033-adcb-c06e207cbc8d |

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