

# SACC-DSI-FS-8CON-L180/SH TQ - Device connector rear mounting



1456543

<https://www.phoenixcontact.com/us/products/1456543>

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Device connector rear mounting, 8-position, Socket, straight, M12-SPEEDCON, coding: A, Rear mounting, M16 x 1.5, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239819

## Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 1456543            |
| Packing unit                         | 20 pc              |
| Minimum order quantity               | 1 pc               |
| Sales key                            | AB26               |
| Product key                          | ABQEHB             |
| Catalog page                         | Page 90 (C-2-2013) |
| GTIN                                 | 4046356617239      |
| Weight per piece (including packing) | 14.41 g            |
| Weight per piece (excluding packing) | 14.41 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 | Rear mounting M16 x 1.5 With flat nut |
| Assembly note | With flat nut                         |

### 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  |

### Dimensions

|                          |      |
|--------------------------|------|
| Length of the solder pin | 6 mm |
|                          | 6 mm |

### Material specifications

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

### Electrical properties

|                                         |                            |
|-----------------------------------------|----------------------------|
| Contact resistance                      | $\leq 3 \text{ m}\Omega$   |
| Insulation resistance                   | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$                   | 48 V AC                    |
|                                         | 60 V DC                    |
| Nominal current $I_N$                   | 2 A                        |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002)      |

### Connection data

|                      |             |
|----------------------|-------------|
| Conductor connection |             |
| Connection method    | Solder pins |

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|                         |        |
|-------------------------|--------|
| Contact connection type | Socket |
|-------------------------|--------|

## Mechanical properties

|                             |       |
|-----------------------------|-------|
| Mechanical data             |       |
| Insertion/withdrawal cycles | ≥ 100 |

## Connector

|                   |          |
|-------------------|----------|
| Connection 1      |          |
| Head design       | Socket   |
| Head cable outlet | straight |
| Head thread type  | M12      |
| Head locking type | SPEEDCON |
| Coding            | A        |

## Environmental and real-life conditions

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

## Standards and regulations

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

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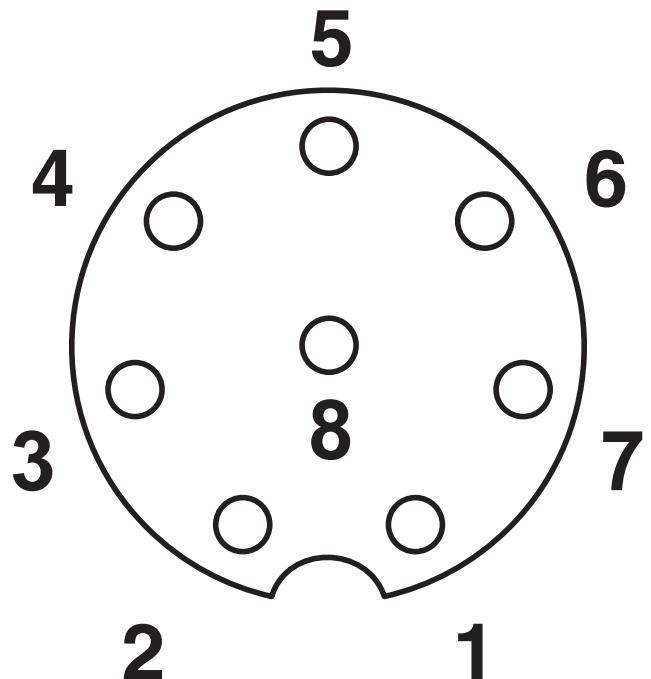


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## Drawings

Schematic diagram



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

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## Approvals

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|  <b>UL Recognized</b><br>Approval ID: E118976-20100522 | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|----------------------|
|                                                                                                                                         | 30 V                  | 2 A                   | 24 - 24           | -                    |

|  <b>cULus Recognized</b><br>Approval ID: E221474-20140616 | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|----------------------|
|                                                                                                                                            | 30 V                  | 2 A                   | -                 | -                    |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440109 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002635 |
|----------|----------|

### 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<br><br>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                                | b41e6c10-c841-430f-84c2-7c6e53ed6cf5 |

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