

## Conductor connectors - SACC-CC-8QO SH ETH - 1414412

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Cable connector, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-pos., halogen-free, shielded, insulation displacement connection, housing material: zinc die-cast, nickel-plated, outer cable diameter of 5 mm ... 9.7 mm

### Your advantages

- ✓ Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- ✓ Convenient: quick and easy assembly without special tools
- ✓ Insulation displacement connection: innovative and time-saving assembly without stripping the single wire
- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4055626025490                                                                        |

### Technical data

#### Dimensions

|                                |                 |
|--------------------------------|-----------------|
| Wrench size, union nut         | 15 mm           |
| External diameter              | 5 mm ... 9.7 mm |
| Stripping length of the sheath | ≥ 80 mm         |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Ambient temperature (assembly)  | -5 °C ... 50 °C  |
| Degree of protection            | IP65             |
|                                 | IP67             |

#### General

|      |                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------|
| Note | NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending |
|------|------------------------------------------------------------------------------------------------------------------------------------------|

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## Technical data

### General

|                                                                             |                                                                                                      |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                                             | forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |
| Rated current at 40°C                                                       | 0.5 A (30 W)                                                                                         |
| Rated voltage                                                               | 48 V AC                                                                                              |
|                                                                             | 60 V DC                                                                                              |
| Number of positions                                                         | 8                                                                                                    |
| Insulation resistance                                                       | ≥ 100 MΩ                                                                                             |
| Standards/regulations                                                       | Based on IEC 61076-2-109                                                                             |
|                                                                             | Shock, vibration EN 50155:2001                                                                       |
| Signal type/category                                                        | Ethernet CAT6 <sub>A</sub> (IEC 11801), 10 Gbps                                                      |
| Status display                                                              | No                                                                                                   |
| Overvoltage category                                                        | III                                                                                                  |
| Degree of pollution                                                         | 3                                                                                                    |
| Connection method                                                           | Insulation displacement connection                                                                   |
| Conductor cross section                                                     | 0.14 mm² ... 0.34 mm²                                                                                |
| Conductor cross section AWG                                                 | 26 ... 22                                                                                            |
| Wire diameter including insulation                                          | 0.75 mm ... 2 mm                                                                                     |
| Frequency of connections between conductors of the same cross section       | 10                                                                                                   |
| Wire insulation material                                                    | PVC / PE / PP / rubber                                                                               |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6                                                                                            |
| Torque                                                                      | 5 Nm (Pressure nut)                                                                                  |
| Assembly instructions                                                       | If the conductor is to be reconnected, it must be cut off above the last contact point.              |
| Transmission characteristics (category)                                     | CAT6 <sub>A</sub>                                                                                    |

### Material

|                                        |                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Flammability rating according to UL 94 | V0                                                                                                                          |
| Contact material                       | CuSn                                                                                                                        |
| Contact surface material               | Ni/Au                                                                                                                       |
| Contact carrier material               | PA 6.6                                                                                                                      |
| Material of grip body                  | Zinc die-cast, nickel-plated                                                                                                |
| Material, knurls                       | Zinc die-cast, nickel-plated                                                                                                |
| Sealing material                       | NBR                                                                                                                         |
| Standards/regulations                  | PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

### Standards and Regulations

|                                        |                                |
|----------------------------------------|--------------------------------|
| Standards/specifications               | Based on IEC 61076-2-109       |
|                                        | Shock, vibration EN 50155:2001 |
| Flammability rating according to UL 94 | V0                             |
| Standards/regulations                  | acc. to DIN EN 45545-2         |

### Environmental Product Compliance

# Conductor connectors - SACC-CC-8QO SH ETH - 1414412

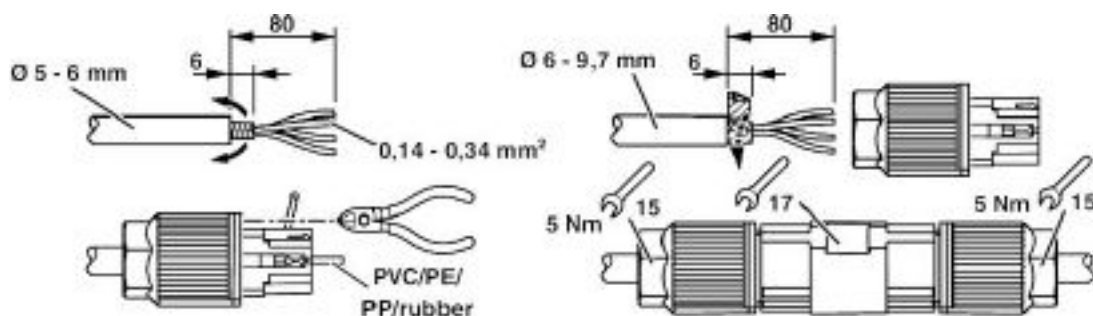
## Technical data

### Environmental Product Compliance

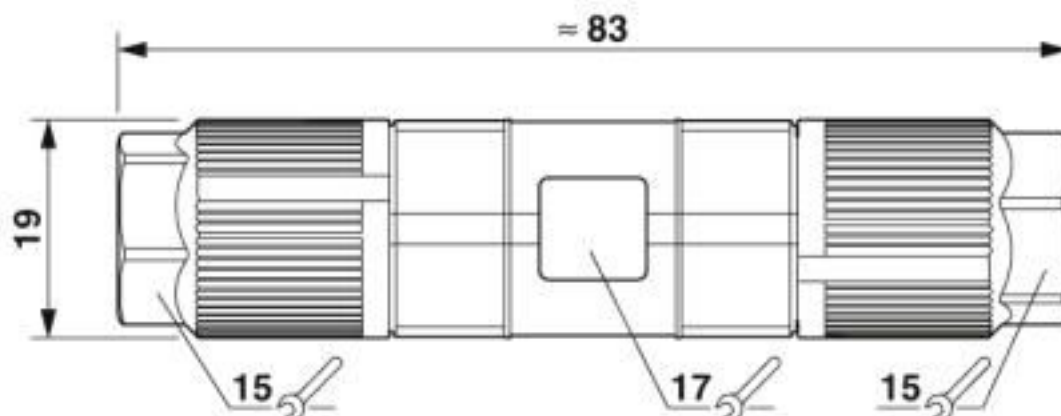
|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Functional drawing



Dimensional drawing



## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27140800 |
| eCl@ss 4.1    | 27140800 |
| eCl@ss 5.0    | 27143400 |
| eCl@ss 5.1    | 27143400 |
| eCl@ss 6.0    | 27143400 |
| eCl@ss 7.0    | 27440605 |
| eCl@ss 8.0    | 27440605 |
| eCl@ss 9.0    | 27440102 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002062 |
| ETIM 6.0 | EC002560 |
| ETIM 7.0 | EC002560 |

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121402 |
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

### Approvals

#### Approvals

#### Approvals

EAC / EAC-RoHS / EAC

#### Ex Approvals

#### Approval details

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

|          |                                                                                     |                          |
|----------|-------------------------------------------------------------------------------------|--------------------------|
| EAC-RoHS |  | RU D-<br>DE.HB35.B.00387 |
|----------|-------------------------------------------------------------------------------------|--------------------------|

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.AI30.B.01102 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

### Accessories

#### Accessories

Electronics pliers

## Conductor connectors - SACC-CC-8QO SH ETH - 1414412

### Accessories

Diagonal cutter - MICROFOX-SB - 1212489



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

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### Stripping tool

Stripping tool - WIREFOX-D 40 - 1212161



Stripping tool, for stripping cables of 4.5 mm - 40 mm-Ø, insulation thickness of up to 4.5 mm, pivoting blade for round, lengthwise, and spiral cuts

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Shielding foil - VS-08-RJ45-FOLIEN-SET - 1417184

Shielding foil set, 25 pieces, replacement for RJ45 and M12 Quickon connector



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Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

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