

# TC-06S1N8A80EQ - Cable connector



1612163

<https://www.phoenixcontact.com/nl/products/1612163>

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Cable connector, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 10.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1612163       |
| Packing unit                         | 12 pc         |
| Minimum order quantity               | 12 pc         |
| Sales key                            | ABRIDA        |
| Product key                          | ABRIDA        |
| GTIN                                 | 4046356279024 |
| Weight per piece (including packing) | 80,625 g      |
| Weight per piece (excluding packing) | 70,943 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|                    |                                        |
|--------------------|----------------------------------------|
| Order information: | Order crimp contacts Ø 2 mm separately |
|--------------------|----------------------------------------|

### Connector

#### Insulating body

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Note                                    | Order information: Order crimp contacts Ø 2 mm separately |
| Coding                                  | N                                                         |
| Material (Insulating body)              | PA 6.6                                                    |
| Connection method                       | Crimp connection                                          |
| Contact switching type                  | Socket                                                    |
| Application                             | Signal                                                    |
| Number of positions                     | 6                                                         |
| Direction of rotation                   | Standard                                                  |
| Connection profile                      | 6                                                         |
| Number Contact (Contact group 1)        | 6                                                         |
| Diameter Contact (Contact group 1)      | 2 mm                                                      |
| Rated current Contact (Contact group 1) | 20 A (for max. connection cross section)                  |
| Rated voltage Contact (Contact group 1) | 48 V AC                                                   |
|                                         | 74 V DC                                                   |
| Rated surge voltage                     | 1.5 kV                                                    |
| Overvoltage category                    | III                                                       |
| Degree of pollution                     | 3                                                         |

#### Seal

|                         |                  |
|-------------------------|------------------|
| External cable diameter | 3 mm ... 10.5 mm |
| Seal material           | NBR              |

### Environmental and real-life conditions

#### Ambient conditions

|                                          |               |
|------------------------------------------|---------------|
| Permissible humidity (storage/transport) | 50 % ... 65 % |
|------------------------------------------|---------------|

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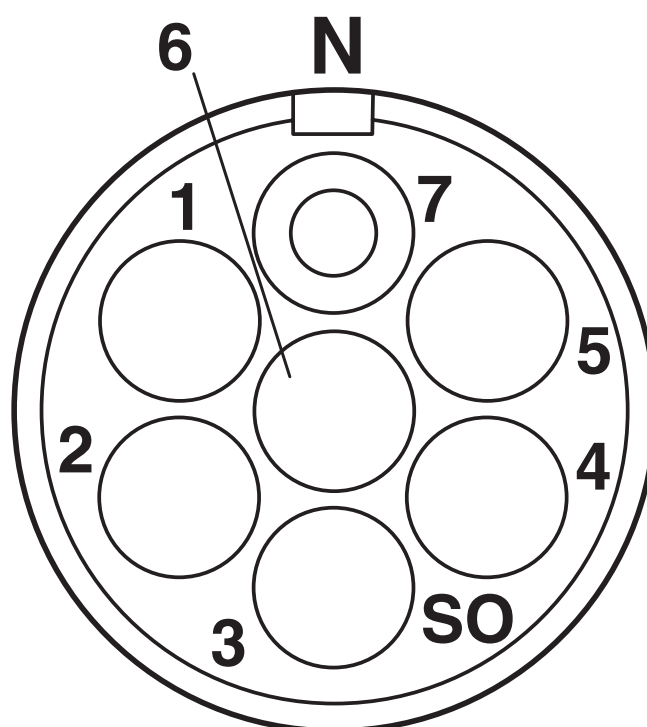
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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440312 |
| ECLASS-15.0 | 27440312 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002641 |
|-----------|----------|

### 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                                | 7caca218-9478-4bd6-b6a1-48d391db988e |

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