

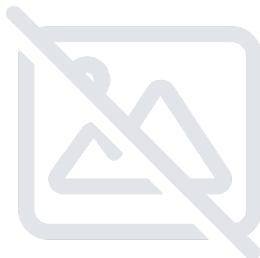
# TC-06S1N8A80EQ - Cable connector

1612163

<https://www.phoenixcontact.com/us/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	AB31
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
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### Product properties

Product type	Circular connector (cable-side)
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### 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
Oversupply 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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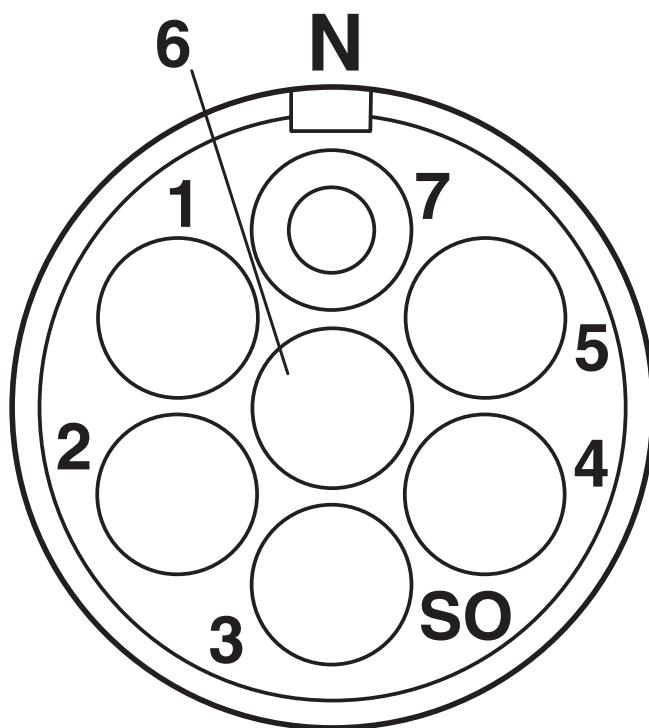
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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0	27440312
ECLASS-15.0	27440312

### ETIM

ETIM 9.0	EC002641
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### 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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