

# TGGM/CDIO/17-ST - Cable connector



1667895

<https://www.phoenixcontact.com/us/products/1667895>

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M23, Cable connector, series: UC, straight, shielded: yes, Screw locking mechanism, No. of pos. : 17, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245642

## Commercial data

Item number	1667895
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAIA
GTIN	4017918163617
Weight per piece (including packing)	150.4 g
Weight per piece (excluding packing)	150.4 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connector (cable-side)
Number of positions	17

### Material specifications

Seal material	NBR
Housing material	CuZn, zinc die-cast

### Connection data

#### Conductor connection

Connection method	Pin
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### Electrical properties

#### Contact

Contact diameter	1 mm
Min. cross section	0.14 mm <sup>2</sup>
Max. cross section	0.56 mm <sup>2</sup>

#### Contact

Contact diameter	1 mm
Min. cross section	0.5 mm <sup>2</sup>
Max. cross section	0.75 mm <sup>2</sup>

### Connector

#### Insulating body

Note	Assembly instruction: Integrated contacts: 12 x 1597862 and 5 x 1602996
Coding	N
Insertion/withdrawal cycles	50
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	17
Direction of rotation	Standard
Connection profile	17
Contact diameter	1 mm
Litz wire cross-section	<b>Power contacts</b> min. 0.14 mm <sup>2</sup>
Litz wire cross-section	<b>Power contacts</b> max. 0.56 mm <sup>2</sup>
Rated current	<b>Power contacts</b> 8 A

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Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

## Housing

Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	Pg16
Degree of protection (plugged in)	IP67
Thread type	M23

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C (short-term up to 145°C)

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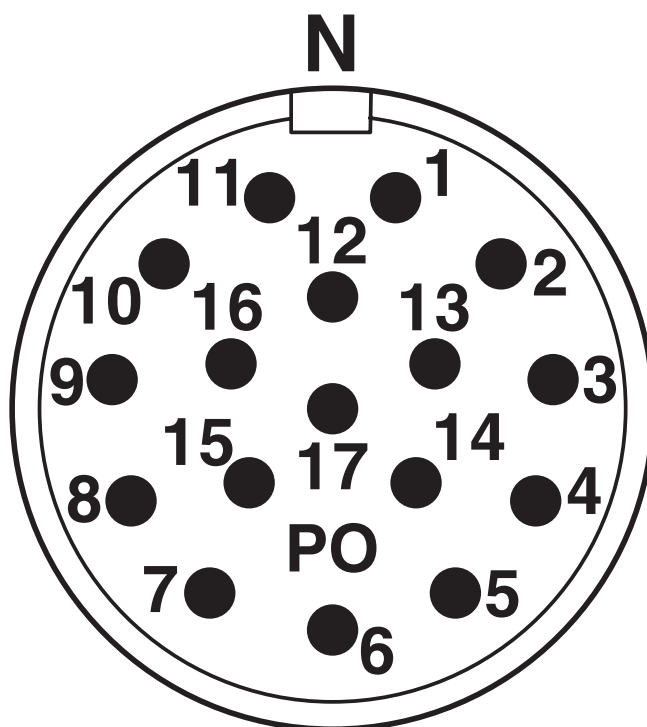
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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 8.0	EC002635
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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	84ce6893-36ab-462d-91b0-849d417d3fd8

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## Accessories

### RC-Z2514 - Crimping pliers with digital display

1614590

<https://www.phoenixcontact.com/us/products/1614590>



Crimping pliers for turned RC crimp contacts  $\varnothing$  1 mm /  $\varnothing$  1.5 mm /  $\varnothing$  2 mm, litz wire cross section of 0.08 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

### PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/us/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

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