TWGM/CDIO/17-BU - Cable connector

1667963

https://www.phoenixcontact.com/us/products/1667963

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The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

M23, Cable connector, application: Signal, series: UC, shielded: yes, Screw locking mechanism, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, 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	1667963
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAIC
GTIN	4017918163587
Weight per piece (including packing)	215.5 g
Weight per piece (excluding packing)	208.017 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

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

Connector

Insulating body

Note	Assembly note Integrated contacts: 17 x 1599600
Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	17
Direction of rotation	Standard
Connection profile	17
Number (Contact group 1)	17
Contact diameter (Contact group 1)	1 mm
Litz wires Min. cross section (Contact group 1)	0.14 mm²
Litz wires Max. cross section (Contact group 1)	0.56 mm²
Rated current Contact (Contact group 1)	8 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

Housing

Type	Cable connector housing
Thread type	M23
Type of locking	Screw locking mechanism
Pg screw connection	Pg16
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Seal material	FPM or NBR or EPDM
Degree of protection (plugged in)	IP67

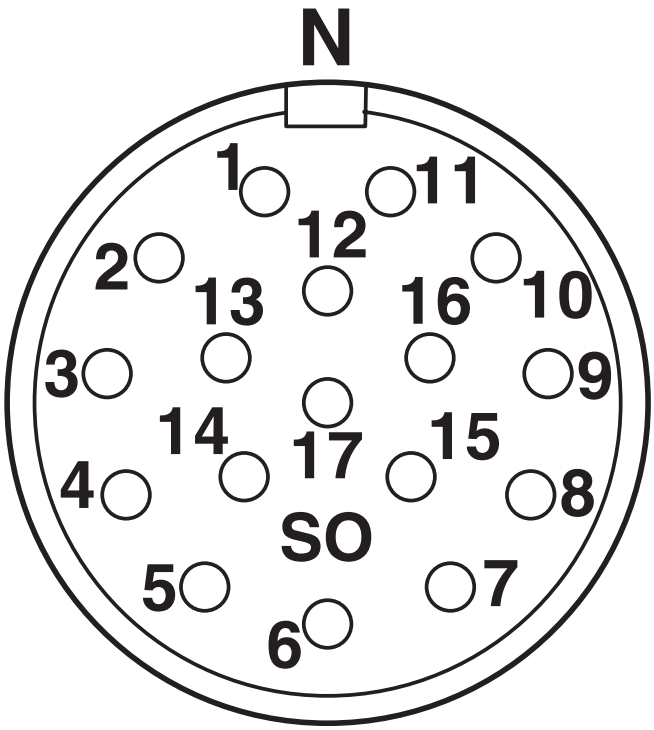
Environmental and real-life conditions

Ambient conditions

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

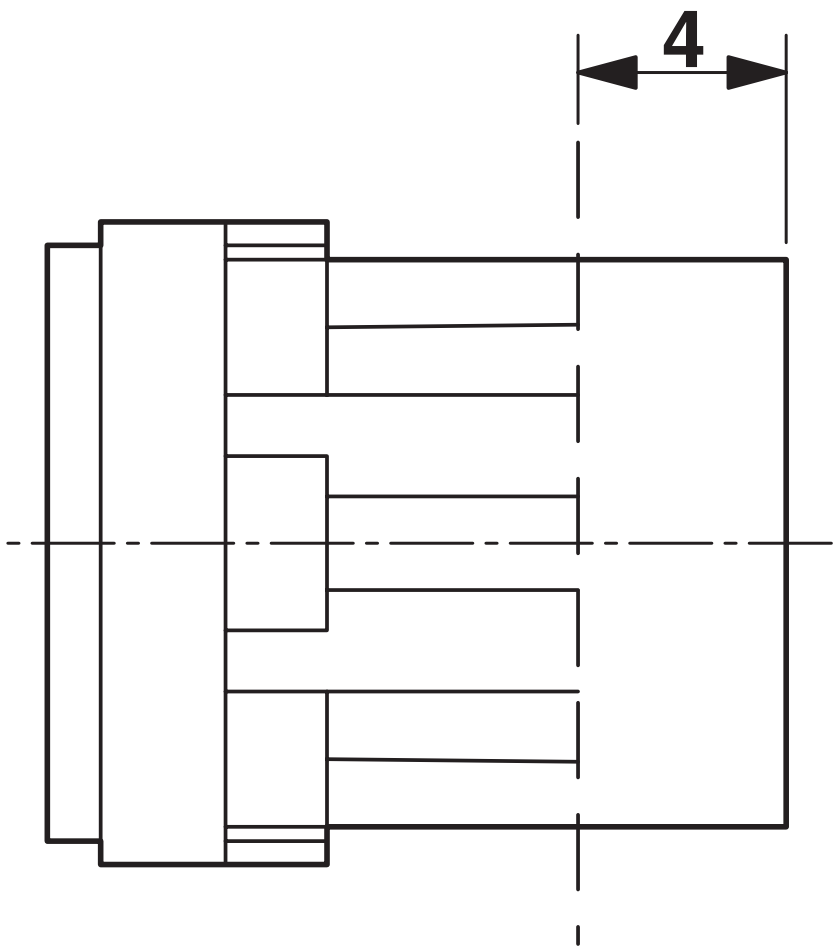
Drawings

Schematic diagram



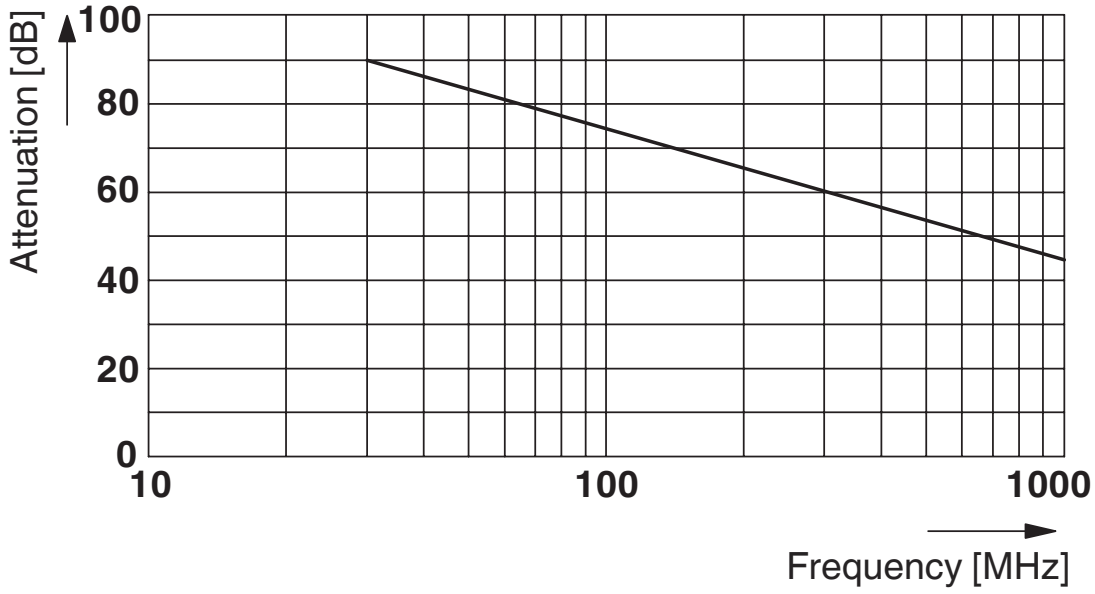
Connector pin assignment

Schematic diagram



Dimensional drawing

Diagram



Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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	41a6181e-2982-4f16-82a4-058dbf694b94

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