

1000044

<https://www.phoenixcontact.com/us/products/1000044>

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Cable connector, number of positions: 19, status display: no; master cable connection: M23 screw locking, shielding: no, this item is expected to be lead-free from Q1 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance



Commercial data

Item number	1000044
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFC
GTIN	4017918399870
Weight per piece (including packing)	165.8 g
Weight per piece (excluding packing)	162.942 g
Customs tariff number	85366990
Country of origin	DE

Technical data

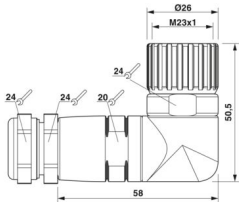
Notes

Notes on operation	The connector is designed for use on sensor/actuator boxes with an M23 plug-in connection.
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Product properties

Product type	Circular connector (cable-side)
Number of positions	19

Dimensions

Dimensional drawing	
Width	26 mm
Height	51 mm
Length	78 mm

Material specifications

Material Housing	GD-Zn
Flammability rating according to UL 94	V0

Connection data

Connection assignment

Slot/position = Wire color or connection	1 / 4 (A) = 15 = WH
	1 / 2 (B) = 7 = GYPK
	2 / 4 (A) = 5 = GN
	2 / 2 (B) = 4 = RDBU
	3 / 4 (A) = 16 = YE
	3 / 2 (B) = 8 = WHGN
	4 / 4 (A) = 3 = GY
	4 / 2 (B) = 14 = BNGN
	5 / 4 (A) = 17 = PK
	5 / 2 (B) = 9 = WHYE
	6 / 4 (A) = 2 = RD
	6 / 2 (B) = 13 = YEBN
	7 / 4 (A) = 11 = BK
	7 / 2 (B) = 10 = WHGY
	8 / 4 (A) = 1 = VT
	8 / 2 (B) = 18 = GYBN

V-RC/TWUM 13/KVD 13/LBL 16+3 - Cable connector



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	1-8 / 1 (+ 120 V) = 19 = BN
	1-8 / 3 (0 V) = 6 = BU
	1-8 / 5 (PE) = 12 = GNYE

Electrical properties

Nominal voltage U_N	150 V
Rated current, total	10 A (with 1 mm ² conductor cross-section)

Connector

Connection 2

Head design	Socket
Head cable outlet	angled
Head thread type	M23

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number Contact (Contact group 1)	3
Diameter Contact (Contact group 1)	1.5 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Litz wire cross-section max. Contact (Contact group 1)	1 mm ²
Rated current Contact (Contact group 1)	10 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
Number Contact (Contact group 2)	16
Diameter Contact (Contact group 2)	1 mm
Litz wire cross-section min. Contact (Contact group 2)	0.08 mm ²
Litz wire cross-section max. Contact (Contact group 2)	1 mm ²
Rated current Contact (Contact group 2)	8 A
Number Contact (Contact group 3)	1
Diameter Contact (Contact group 3)	1.5 mm
Rated current Contact (Contact group 3)	8 A

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Cable/line

External cable diameter	10 mm ... 14 mm
Connection method	M23 screw locking

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 80 °C

V-RC/TWUM 13/KVD 13/LBL 16+3 - Cable connector

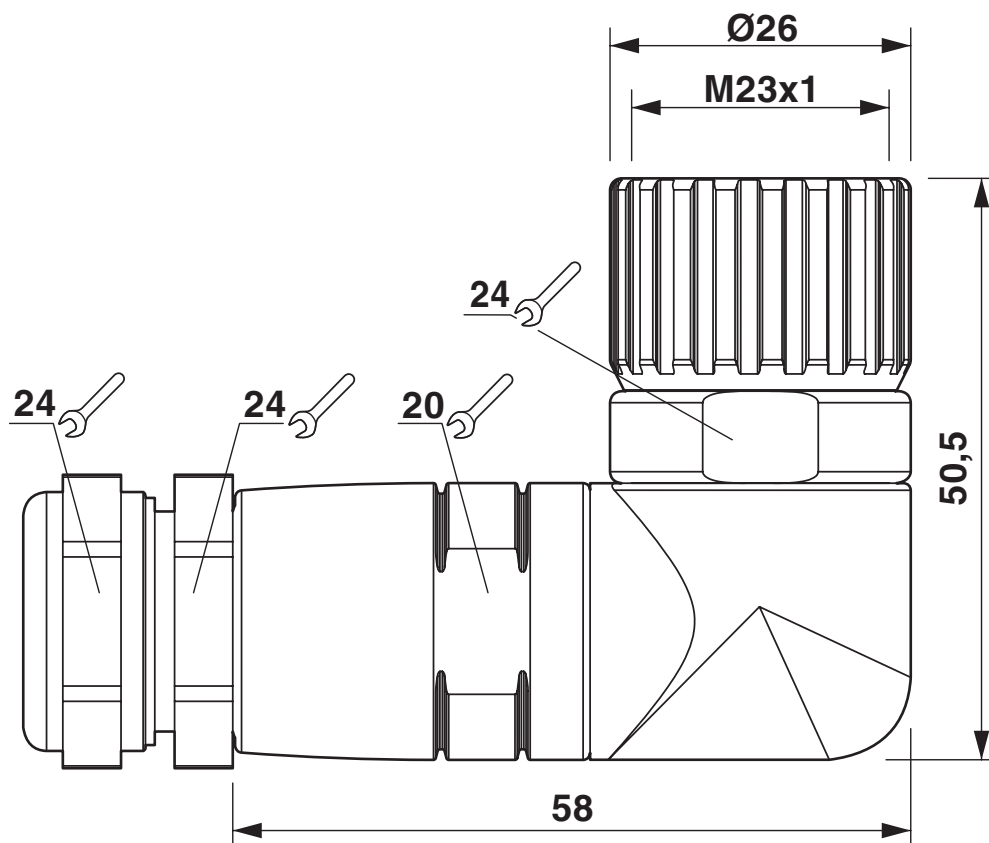


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Drawings

Dimensional drawing

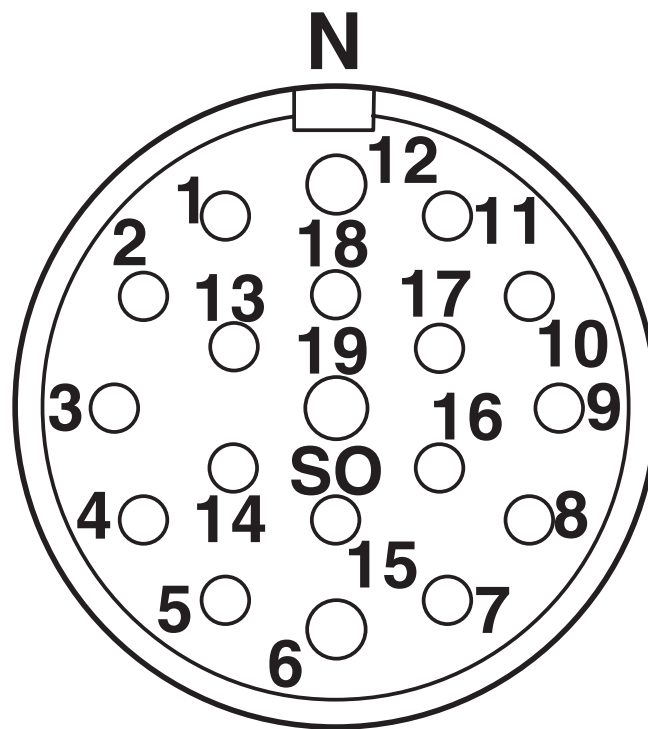


Dimensional drawing

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Schematic diagram

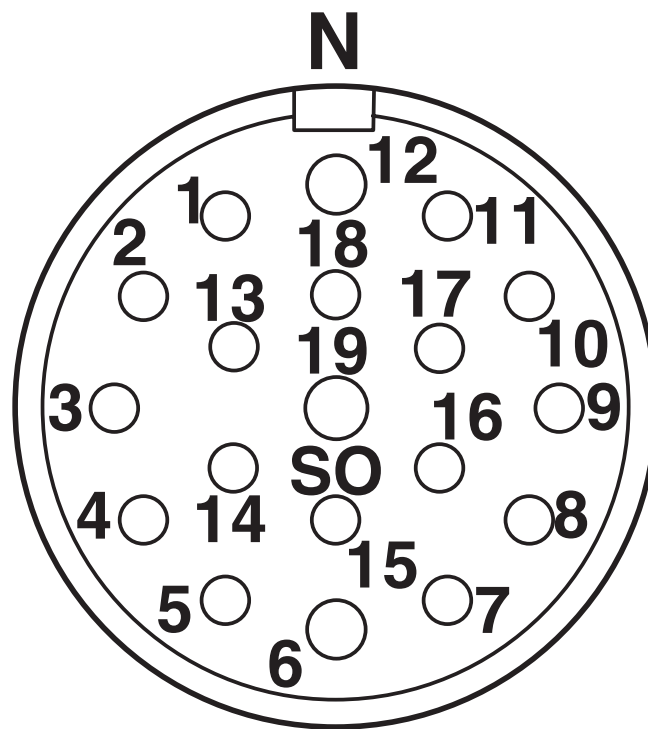


Pin assignment M23 socket, 19-pos., female side view

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Schematic diagram



Connector pin assignment

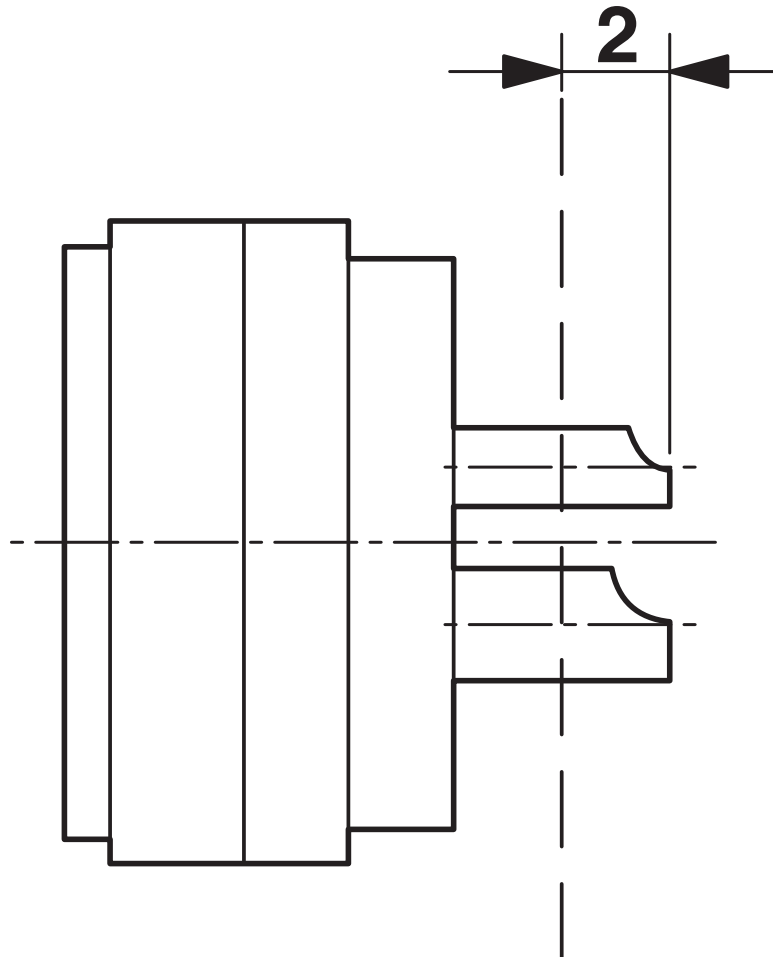
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Schematic diagram



Dimensional drawing

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Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 9.0	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	df0742ee-3ae9-49b9-9a7a-dd9ec3857517

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com