

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



1000042

<https://www.phoenixcontact.com/us/products/1000042>

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Cable connector, number of positions: 19, status display: No; master cable connection: M23 screw locking, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237971

Commercial data

Item number	1000042
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFA
Catalog page	Page 128 (PC-2009)
GTIN	4017918399849
Weight per piece (including packing)	100 g
Weight per piece (excluding packing)	100 g
Customs tariff number	85366990
Country of origin	DE

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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

Data management status

Article revision	06
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Dimensions

Dimensional drawing	
Width	26 mm
Height	26 mm
Length	69 mm

Material specifications

Material Housing	GD-Zn
Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	gold-plated
Contact carrier material	PBT

Connection data

Conductor connection

Connection method	Solder connection
Connection cross section	1 mm ² 1.5 mm ²

Pin 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
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	5 / 4 (A) = 17 = PK
	5 / 2 (B) = 9 = WHYE
	6 / 4 (A) = 2 = RD
	6 / 2 (B) = 13 = YEEN
	7 / 4 (A) = 11 = BK
	7 / 2 (B) = 10 = WHGY
	8 / 4 (A) = 1 = VT
	8 / 2 (B) = 18 = GYBN
	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	straight
Head thread type	M23

Cable/line

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

Environmental and real-life conditions

Ambient conditions

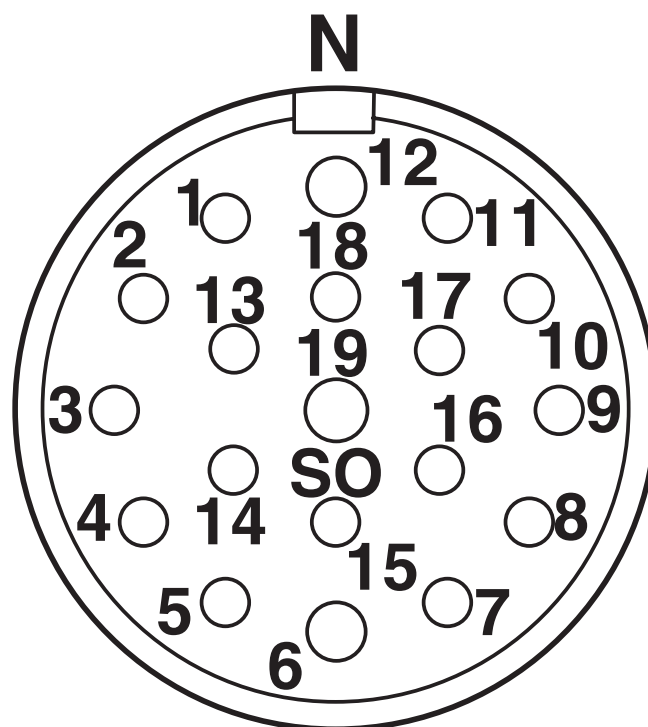
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 80 °C

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Drawings

Schematic diagram



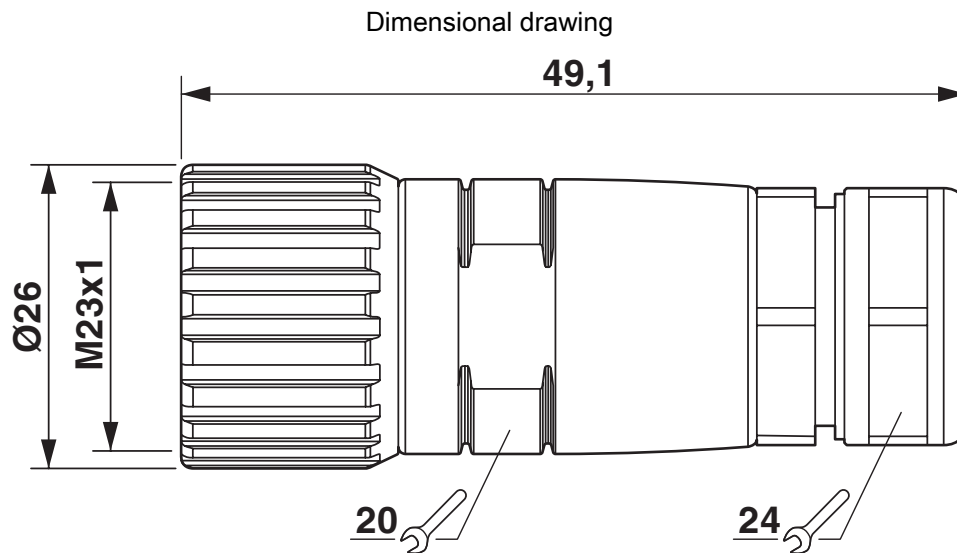
Pin assignment M23 socket, 19-pos., female side view

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Dimensional drawing

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	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	c2e6bbde-4537-411b-b72a-4d4efe387a2b

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