

RC/TWGM/KVD/LBL 16+3 - Cable connector



1685518

<https://www.phoenixcontact.com/us/products/1685518>

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Cable connector, number of positions: 19, status display: No; master cable connection: M23 screw locking, shielding: yes, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245651



Commercial data

Item number	1685518
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFC
Catalog page	Page 314 (C-2-2019)
GTIN	4017918878917
Weight per piece (including packing)	212.6 g
Weight per piece (excluding packing)	208.3 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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Mounting

Thread type	()
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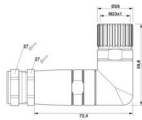
Product properties

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

Data management status

Article revision	05
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Dimensions

Dimensional drawing	
Width	26 mm
Height	60 mm
Length	92 mm

Material specifications

Material Housing	GD-Zn
Seal material	FPM
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
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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
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

Cable/line

External cable diameter	9.5 mm ... 14.5 mm
Connection method	M23 screw locking

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 125 °C

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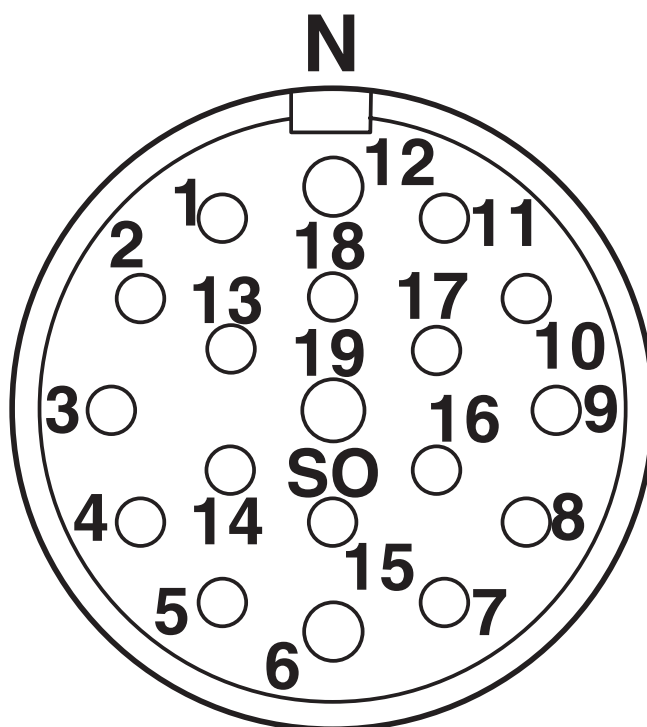


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Drawings

Schematic diagram



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

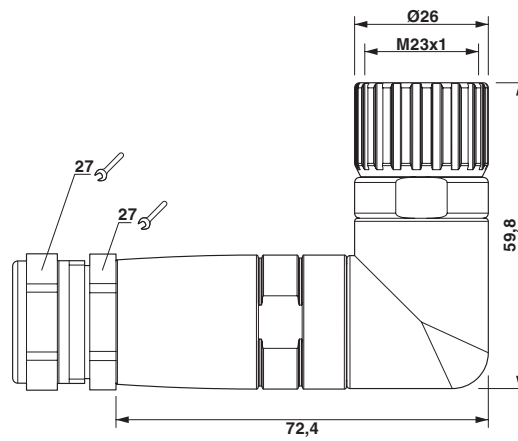
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Dimensional drawing



Dimensional drawing

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Classifications

ECLASS

ECLASS-11.0	27440202
ECLASS-12.0	27440202
ECLASS-13.0	27440202

ETIM

ETIM 9.0	EC000437
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UNSPSC

UNSPSC 21.0	31261500
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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	9792afa3-1321-42b5-a891-d65899a66248

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