

# RC/TGGM/KVD/LBL 16+3 - Cable connector



1685505

<https://www.phoenixcontact.com/us/products/1685505>

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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.: 1245650

## Commercial data

Item number	1685505
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFA
Catalog page	Page 314 (C-2-2019)
GTIN	4017918878900
Weight per piece (including packing)	146.8 g
Weight per piece (excluding packing)	146.8 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

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

Product type	Master cable, assembled
Number of positions	19

### Electrical properties

Nominal voltage $U_N$	150 V
Rated current, total	10 A (with 1 mm <sup>2</sup> conductor cross section)

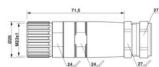
### Connection data

Connection method	Solder connection
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### Signaling

Status display present	No
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### Dimensions

Dimensional drawing	
Width	26 mm
Height	26 mm
Length	91 mm

### Material specifications

Material Housing	GD-Zn
Seal material	FPM
Contact material	CuZn
Contact surface material	gold-plated
Contact carrier material	PBT

### Connector

Connection 2	
Head design	Socket
Head cable outlet	straight
Head thread type	M23

### Cable/line

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

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## Environmental and real-life conditions

### Ambient conditions

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

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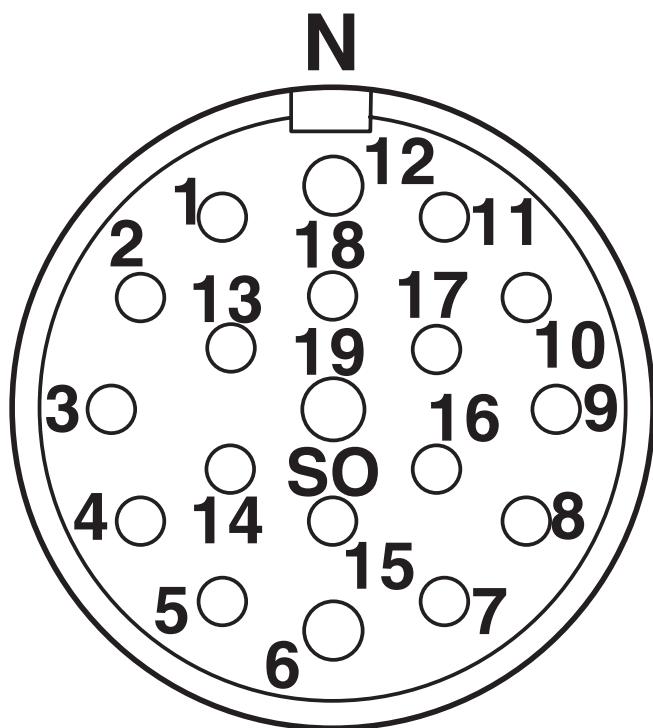
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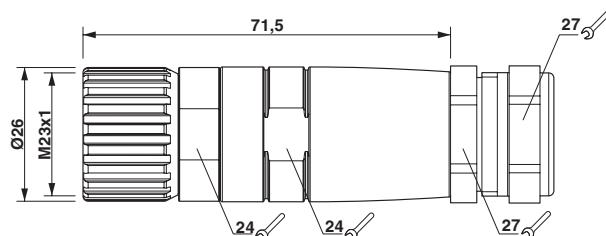
## Drawings

Schematic diagram



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

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	c6d466a8-286e-4a8b-87a1-7715ba227c6c

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## Accessories

### PLUSCON-RCS - Pipe spanner

1665062

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Pipe spanner



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