

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



1685518

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

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Socket M23, 19-pos., angled, shielded, freely configurable, with solder connection, for external cable diameter 9.5 mm ... 14.5 mm



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Commercial Data

Item number	1685518
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	ABRAAB
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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Product properties

Product type	Master cable, assembled
Number of positions	19

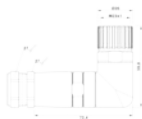
Electrical properties

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

LED signaling

Status display present	No
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Dimensions

Dimensional drawing	
Width	26 mm
Height	60 mm
Length	92 mm

Material specifications

Sealing material	FPM
Housing surface material	Nickel-plated
Contact material	CuZn
Contact surface material	gold-plated
Contact carrier material	PBT
Housing material	GD-Zn

Connector

Head 2

Head design	Socket
Head cable outlet	angled
Head thread type	M23

Cable / line

Master cable data/connection data

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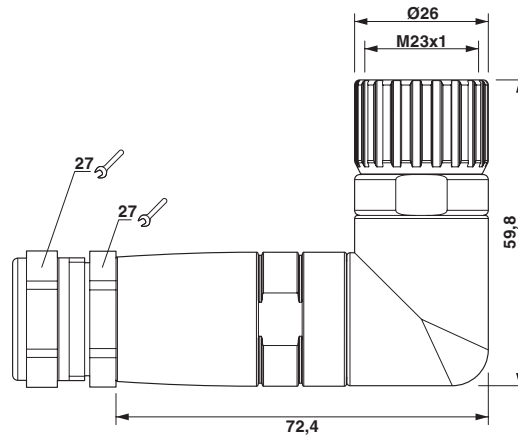
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Drawings

Dimensional drawing



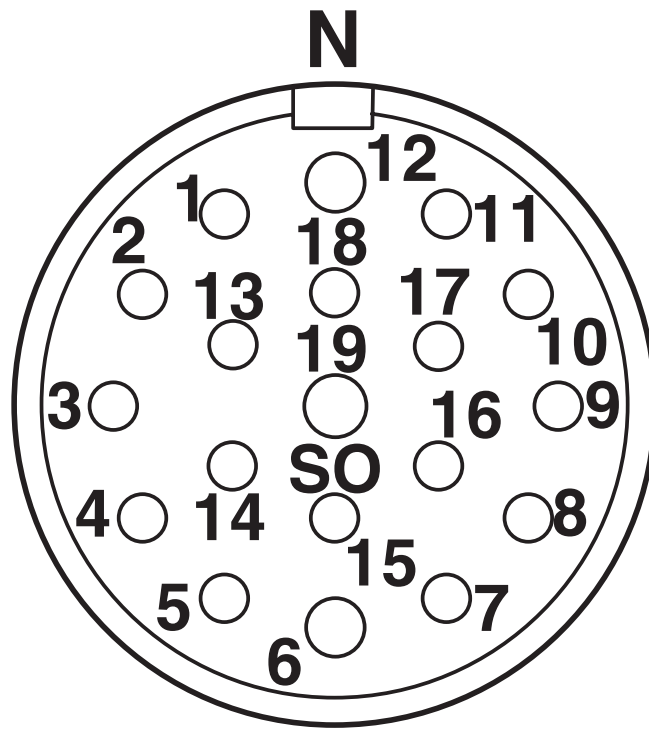
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Schematic diagram



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

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Approvals

ENI EAC

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Classifications

ECLASS

ECLASS-10.0.1	27440202
ECLASS-9.0	27440202
ECLASS-11.0	27440202

ETIM

ETIM 8.0	EC000437
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UNSPSC

UNSPSC 21.0	31261500
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Pipe spanner

Pipe spanner - PLUSCON-RCS - 1665062

<https://www.phoenixcontact.com/pc/products/1665062>



Special pipe spanner, tool for mounting the M23 connector housing (with assembly), for coupling and sleeve housing

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