

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	215.5 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Rated voltage	150 V
Total rated current	10 A (with 1 mm ² conductor cross section)
Number of positions	19
Note	The connector is designed for use on sensor/actuator boxes with an M23 plug-in connection.

Ambient conditions

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

Master cable data/connection data

Connection method	M23 screw locking
Conductor cross section max. (signal)	1 mm ²
Conductor cross section max. (energy)	1.5 mm ²
External cable diameter min.	9.5 mm
External cable diameter max.	14.5 mm

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Technical data

Insulation material

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

Connection assignment

Slot/position = pin = conductor color	1 / 4 (A) = 15 = WH
	1 / 2 (B) = 7 = GY/PK
	2 / 4 (A) = 5 = GN
	2 / 2 (B) = 4 = RD/BU
	3 / 4 (A) = 16 = YE
	3 / 2 (B) = 8 = WH/GN
	4 / 4 (A) = 3 = GY
	4 / 2 (B) = 14 = BN/GN
	5 / 4 (A) = 17 = PK
	5 / 2 (B) = 9 = WH/YE
	6 / 4 (A) = 2 = RD
	6 / 2 (B) = 13 = YE/BN
	7 / 4 (A) = 11 = BK
	7 / 2 (B) = 10 = WH/GY
	8 / 4 (A) = 1 = VT
	8 / 2 (B) = 18 = GY/BN
	1-8 / 1 (+ 120 V) = 19 = BN
	1-8 / 3 (0 V) = 6 = BU
	1-8 / 5 (PE) = 12 = GN/YE

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27261203
eCl@ss 7.0	27440202
eCl@ss 8.0	27440202

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Classifications

ETIM

ETIM 2.0	EC000437
ETIM 3.0	EC000437
ETIM 4.0	EC000437
ETIM 5.0	EC000437

UNSPSC

UNSPSC 6.01	31261502
UNSPSC 7.0901	31261502
UNSPSC 11	31261502
UNSPSC 12.01	31261502
UNSPSC 13.2	31261502

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

Approval details

EAC

EAC

Accessories

Accessories

Assembly tool

Female connector - RC/TWGM/KVD/LBL 16+3 - 1685518

Accessories

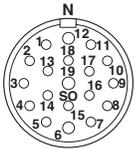
Pipe spanner - PLUSCON-RCS - 1665062



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

Drawings

Schematic diagram



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

Dimensional drawing

