

Female connector - V-RC/TGUM 13/KVD 13/LBL 16+3 - 1000042

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M23 socket, 19-pos., straight, freely configurable, with solder connection, for external cable diameter of 10 mm ... 14 mm



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	100.0 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
Flammability rating according to UL 94	V0
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 ... 80 °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.	10 mm

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Master cable data/connection data

External cable diameter max.	14 mm
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Insulation material

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

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

Standards and Regulations

Flammability rating according to UL 94	V0
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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701

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Classifications

eCl@ss

eCl@ss 5.1	27260701
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27440102

ETIM

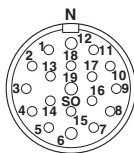
ETIM 2.0	EC000437
ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635

UNSPSC

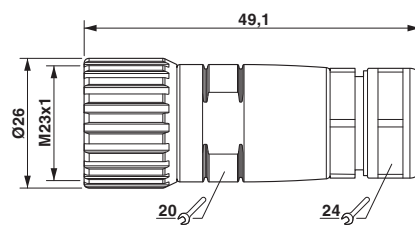
UNSPSC 6.01	31261502
UNSPSC 7.0901	31261502
UNSPSC 11	31261502
UNSPSC 12.01	31261502
UNSPSC 13.2	31261502

Drawings

Schematic diagram



Dimensional drawing



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