

# 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

<b>package_quantity</b>	1
<b>GTIN</b>	4017918399849

## Technical data

### General

<b>Rated voltage</b>	150 V
<b>Total rated current</b>	10 A (with 1 mm <sup>2</sup> conductor cross section)
<b>Number of positions</b>	19
<b>Inflammability class according to UL 94</b>	V0

### Ambient conditions

<b>Degree of protection</b>	IP65
<b>Degree of protection</b>	IP67
<b>Ambient temperature (operation)</b>	-20 °C ... 80 °C

### Master cable data/connection data

<b>Connection method</b>	M23 screw locking
<b>Conductor cross section max. (signal)</b>	1 mm <sup>2</sup>
<b>Conductor cross section max. (energy)</b>	1.5 mm <sup>2</sup>
<b>External cable diameter min.</b>	10 mm
<b>External cable diameter max.</b>	14 mm

### Insulation material

<b>Housing material</b>	GD-Zn
<b>Housing surface material</b>	Nickel-plated
<b>Contact material</b>	CuZn
<b>Contact surface material</b>	Gold-plated
<b>Contact carrier material</b>	PBT

### Connection assignment

<b>Slot/position = pin = conductor color</b>	1 / 4 (A) = 15 = WH
<b>Slot/position = pin = conductor color</b>	1 / 2 (B) = 7 = GY/PK

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## Technical data

### Connection assignment

Slot/position = pin = conductor color	2 / 4 (A) = 5 = GN
Slot/position = pin = conductor color	2 / 2 (B) = 4 = RD/BU
Slot/position = pin = conductor color	3 / 4 (A) = 16 = YE
Slot/position = pin = conductor color	3 / 2 (B) = 8 = WH/GN
Slot/position = pin = conductor color	4 / 4 (A) = 3 = GY
Slot/position = pin = conductor color	4 / 2 (B) = 14 = BN/GN
Slot/position = pin = conductor color	5 / 4 (A) = 17 = PK
Slot/position = pin = conductor color	5 / 2 (B) = 9 = WH/YE
Slot/position = pin = conductor color	6 / 4 (A) = 2 = RD
Slot/position = pin = conductor color	6 / 2 (B) = 13 = YE/BN
Slot/position = pin = conductor color	7 / 4 (A) = 11 = BK
Slot/position = pin = conductor color	7 / 2 (B) = 10 = WH/GY
Slot/position = pin = conductor color	8 / 4 (A) = 1 = VT
Slot/position = pin = conductor color	8 / 2 (B) = 18 = GY/BN
Slot/position = pin = conductor color	1-8 / 1 (+ 120 V) = 19 = BN
Slot/position = pin = conductor color	1-8 / 3 (0 V) = 6 = BU
Slot/position = pin = conductor color	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	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

### ETIM

ETIM 2.0	EC000437
ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002641

### UNSPSC

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

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accessories

## Assembly tool

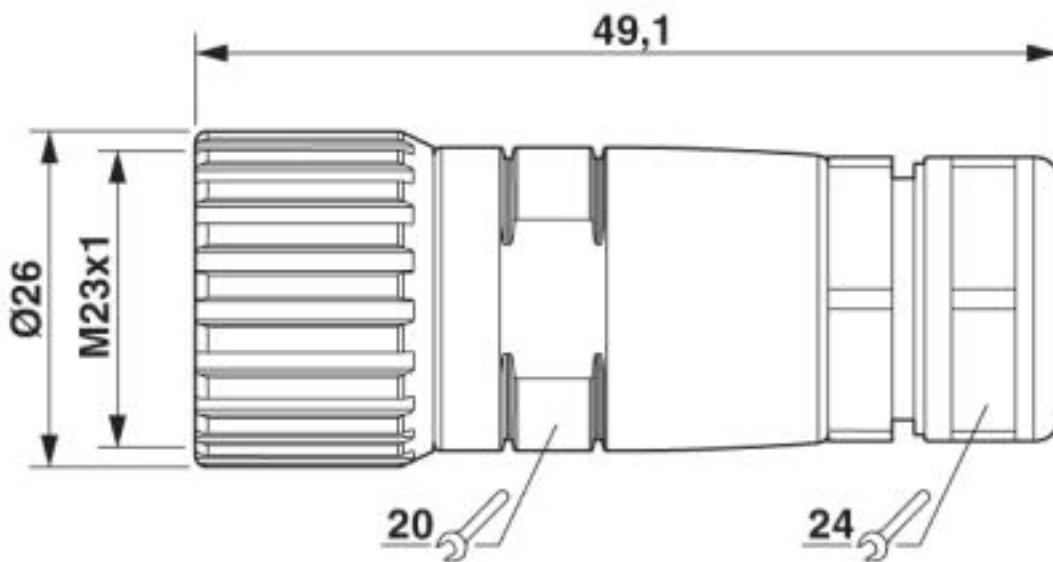
PLUSCON-RCS - 1665062



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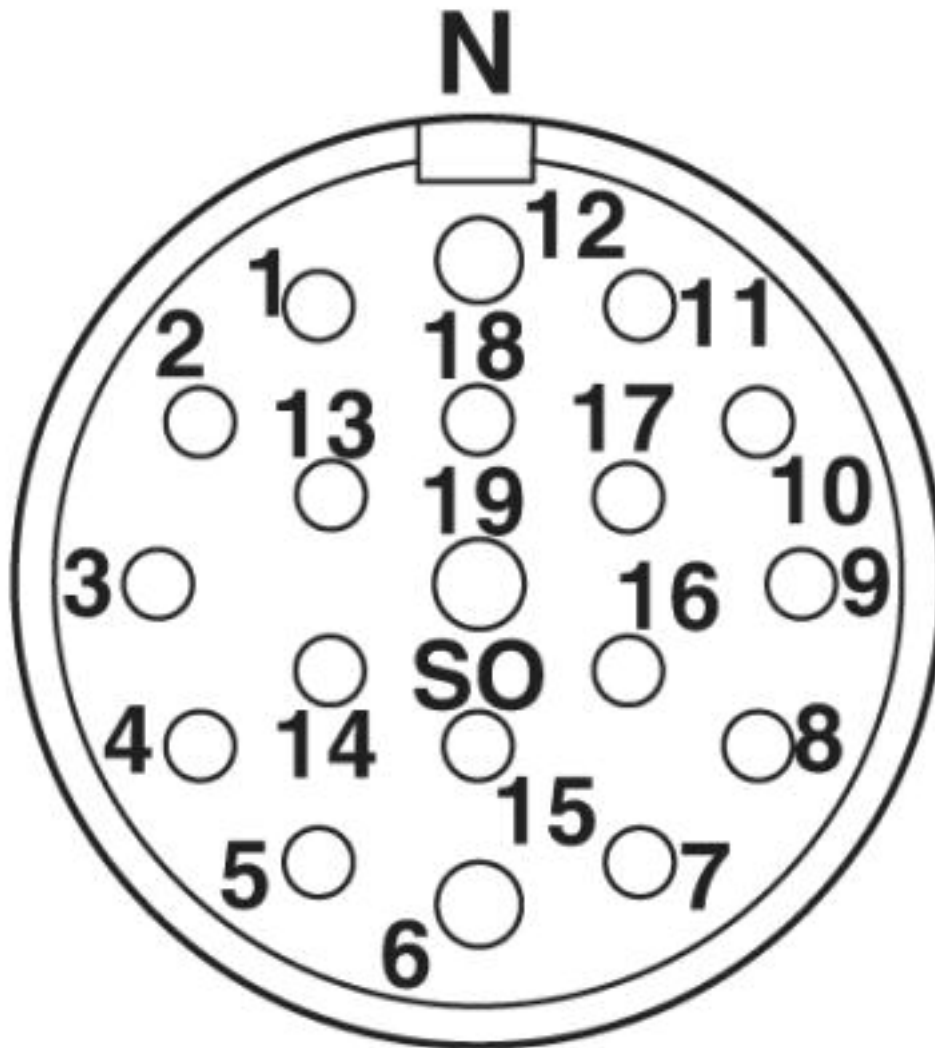
## Drawings

Dimensioned drawing



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Schematic diagram



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

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