

## Female connector - V-RC/TWUM 13/KVD 13/LBL 16+3 - 1000044

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



RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                                   |
| GTIN         | <br>4 017918 399870 |
| GTIN         | 4017918399870                                                                                           |
| Sales Key    | 02                                                                                                      |

### Technical data

#### General

|                                        |                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Rated voltage                          | 150 V                                                                                      |
| Total rated current                    | 10 A (with 1 mm <sup>2</sup> 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 <sup>2</sup>   |
| Conductor cross section max. (energy) | 1.5 mm <sup>2</sup> |
| External cable diameter min.          | 10 mm               |
| 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 |
|----------------------------------------|----|

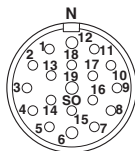
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

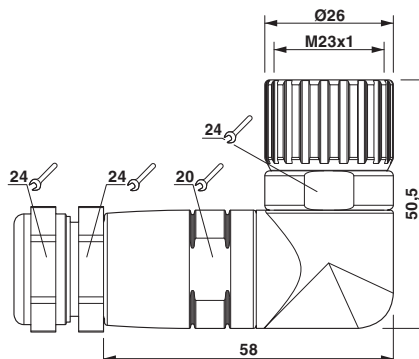
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Schematic diagram



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

Dimensional drawing



### Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC



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