

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

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 |
| GTIN |  4 017918 878917 |
| GTIN | 4017918878917 |
| Weight per Piece (excluding packing) | 215.500 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 |
|-------------------|-------------------|

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

Technical data

Master cable data/connection data

| | |
|---------------------------------------|---------------------|
| 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 |

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 |

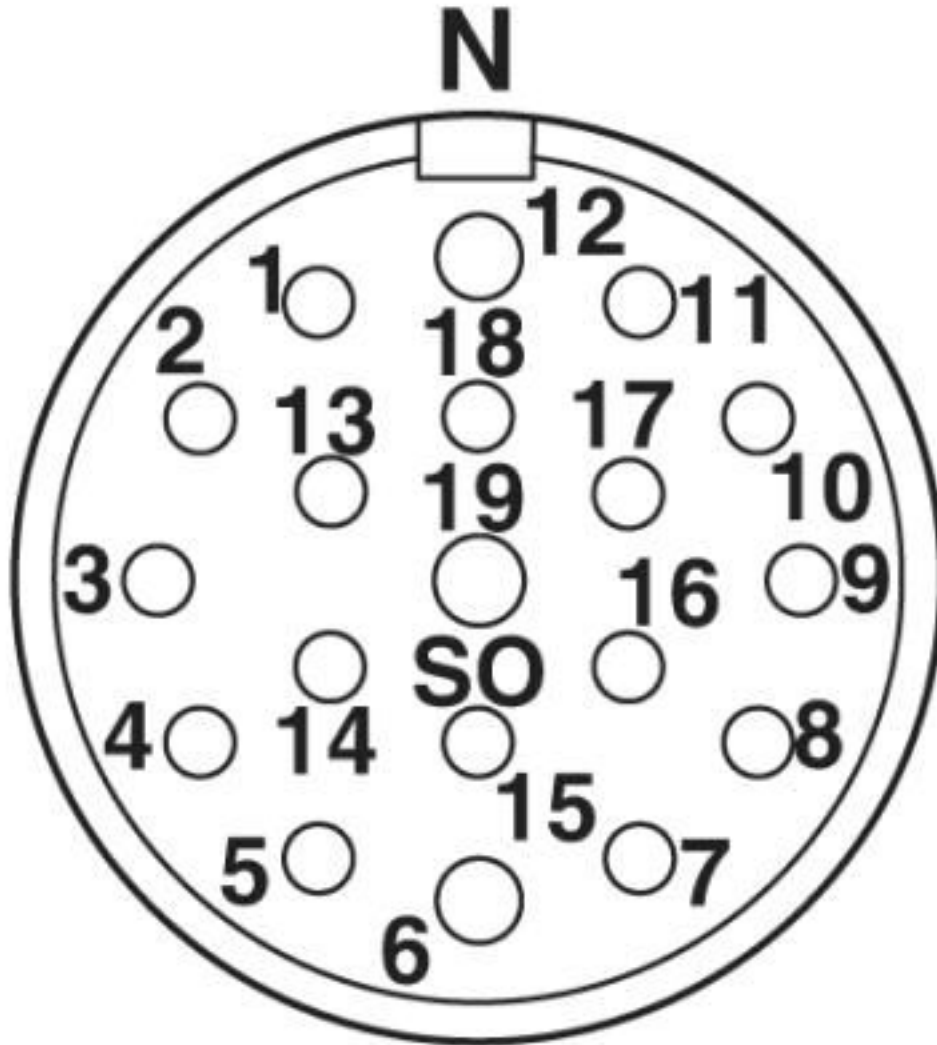
Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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

Drawings

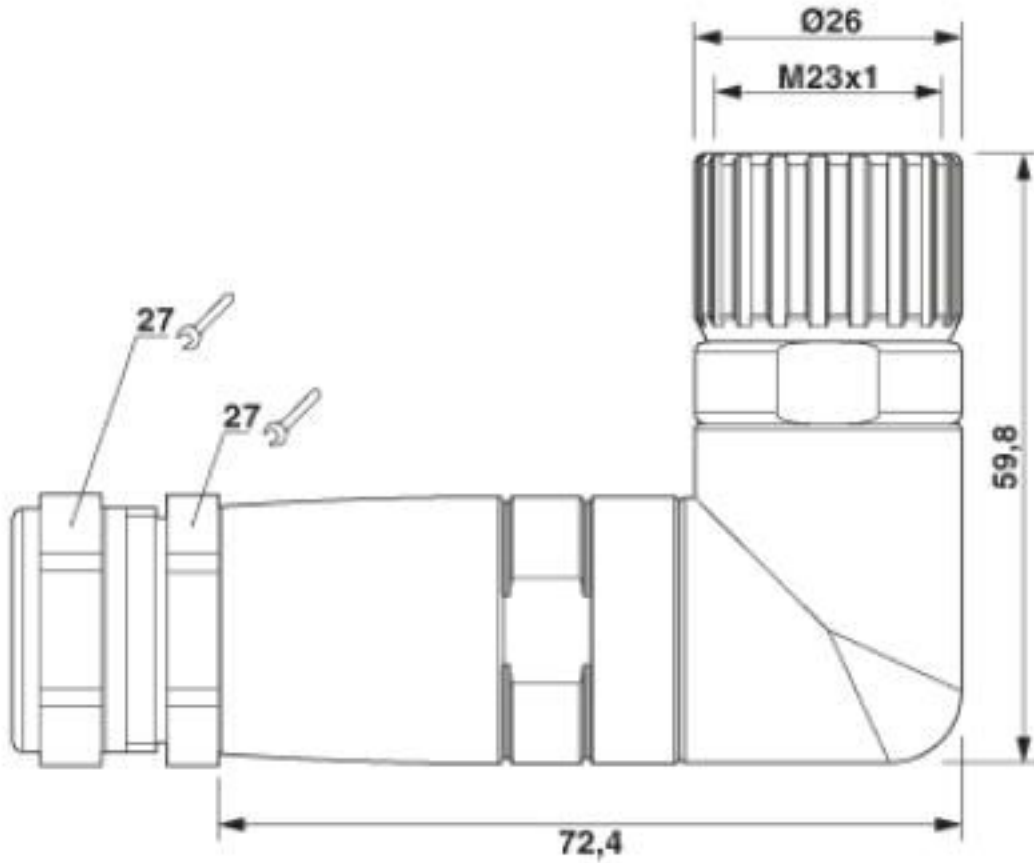
Schematic diagram



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

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

Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440202 |
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27261200 |
| eCl@ss 6.0 | 27261200 |
| eCl@ss 7.0 | 27440202 |
| eCl@ss 8.0 | 27440202 |
| eCl@ss 9.0 | 27440202 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000437 |
|----------|----------|

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

Classifications

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000437 |
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | EC000437 |
| ETIM 6.0 | EC000437 |
| ETIM 7.0 | EC000437 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31261502 |
| UNSPSC 7.0901 | 31261502 |
| UNSPSC 11 | 31261502 |
| UNSPSC 12.01 | 31261502 |
| UNSPSC 13.2 | 31261501 |
| UNSPSC 18.0 | 31261501 |
| UNSPSC 19.0 | 31261501 |
| UNSPSC 20.0 | 31261501 |
| UNSPSC 21.0 | 31261501 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

| | | |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

Accessories

Accessories

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