

## M8 Circular Connector

30/60V 4A

## Technical characteristics

|                          | 3-pole                                        | 4-pole                                        |
|--------------------------|-----------------------------------------------|-----------------------------------------------|
| Rated current(40°C )     | 4A                                            | 4A                                            |
| Rated voltage            | 60V                                           | 30V                                           |
| Rated impulse voltage    | 800V                                          | 800V                                          |
| Pollution degree         | 3                                             | 3                                             |
| Overvoltage categorie    | II                                            | II                                            |
| Contact resistance       | ≤ 10 mΩ                                       | ≤ 10 mΩ                                       |
| Connector locking system | screw                                         | screw                                         |
| Termination              | dip solder, single-strand 0.25mm <sup>2</sup> | dip solder, single-strand 0.25mm <sup>2</sup> |
| Wire gauge               | 0.25mm <sup>2</sup> (AWG24)                   | 0.25mm <sup>2</sup> (AWG24)                   |
| Cable outlet             | -                                             | -                                             |
| Degree of protection     | IP67                                          | IP67                                          |
| Mechanical operation     | > 100                                         | > 100                                         |
| Limiting temperature     | -40°C ...+85°C                                | -40°C ...+85°C                                |
| Material group           | II                                            | II                                            |
| Material of contact      | copper alloy                                  | copper alloy                                  |
| Contact plating          | Au                                            | Au                                            |
| Insulating material      | PA                                            | PA                                            |
| Material of housing      | CuZn                                          | CuZn                                          |

## Socket

Male panel mount connector  
with single wires 0.25mm<sup>2</sup>  
length 0.2m

**Recommend to use**

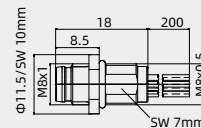


## Contact arrangements



| Contacts | Thread | Designation        | Order No.        |
|----------|--------|--------------------|------------------|
| 3        | M8     | M8-M03-BK-M8-W0.25 | 162 003 301 4001 |
| 4        | M8     | M8-M04-BK-M8-W0.25 | 162 004 301 4001 |

Customized cable length upon request



Male panel mount connector,  
front fastened, with single wires  
0.25mm<sup>2</sup>  
length 0.2m

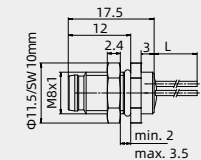


## Contact arrangements



| Contacts | Thread | Designation         | Order No.        |
|----------|--------|---------------------|------------------|
| 3        | M8     | M8-M03-BKR-M8-W0.25 | 162 003 301 4011 |
| 4        | M8     | M8-M04-BKR-M8-W0.25 | 162 004 301 4011 |

Customized cable length upon request



Male panel mount connector,  
front fastened, dip solder



## Contact arrangements



| Contacts | Thread | Designation     | Order No.        |
|----------|--------|-----------------|------------------|
| 3        | M8     | M8-M03-BKR-M8-D | 162 003 314 1011 |
| 4        | M8     | M8-M04-BKR-M8-D | 162 004 314 1011 |

