

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              | screw, solder                                    | screw, solder                                    |
| Wire gauge               | screw0.14-0.5mm²(AWG26-20),solder 0.25mm²(AWG24) | screw0.14-0.5mm²(AWG26-20),solder 0.25mm²(AWG24) |
| Cable outlet             | 3.5-5 mm,3.5-5.5 mm                              | 3.5-5 mm,3.5-5.5 mm                              |
| Degree of protection     | IP67                                             | IP67                                             |
| Mechanical operation     | > 100                                            | > 100                                            |
| Limiting temperature     | -40°C ...+85°C                                   | -40°C ...+85°C                                   |
| Material group           | III                                              | III                                              |
| Material of contact      | copper alloy                                     | copper alloy                                     |
| Contact plating          | Au                                               | Au                                               |
| Insulating material      | PA                                               | PA                                               |
| Material of housing      | CuZn                                             | CuZn                                             |

Straight cable connectors

Female cable connector, solder, shielded

Recommend to use

| Contacts | Cable outlet | Designation      | Order No.        |
|----------|--------------|------------------|------------------|
| 3        | 3.5-5 mm     | M8-FST03-T-D5-SH | 162 003 423 2001 |
| 4        | 3.5-5 mm     | M8-FST04-T-D5-SH | 162 004 423 2001 |



Contact arrangements



Female cable connector, solder, shielded

| Contacts | Cable outlet | Designation      | Order No.        |
|----------|--------------|------------------|------------------|
| 3        | 3.5-5 mm     | M8-F03-T-D5.5-SH | 162 003 421 2001 |
| 4        | 3.5-5 mm     | M8-F04-T-D5.5-SH | 162 004 421 2001 |



Contact arrangements

