

## 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               | screw 0.14-0.5mm <sup>2</sup> (AWG26-20) ,solder 0.25mm <sup>2</sup> (AWG24) | screw 0.14-0.5mm <sup>2</sup> (AWG26-20) ,solder 0.25mm <sup>2</sup> (AWG24) |
| Cable outlet             | 3.5-5 mm                                                                     | 3.5-5 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      | PA                                                                           | PA                                                                           |

### Angled cable connectors

#### Male cable connector, solder



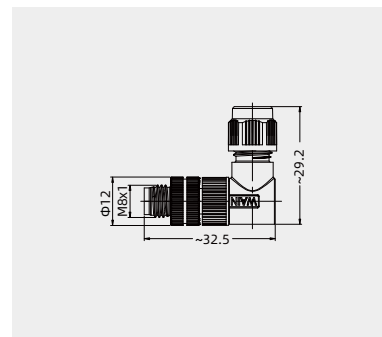
Contact arrangements



3pin

4pin

| Contacts | Cable outlet | Designation   | Order No.        |
|----------|--------------|---------------|------------------|
| 3        | 3.5-5 mm     | M8-MST03-S-D5 | 162 003 513 3001 |
| 4        | 3.5-5 mm     | M8-MST04-S-D5 | 162 004 513 3001 |



#### Male cable connector, screw



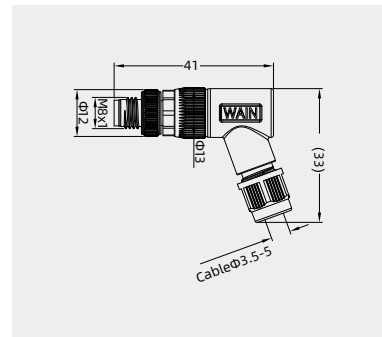
Contact arrangements



3pin

4pin

| Contacts | Cable outlet | Designation | Order No.        |
|----------|--------------|-------------|------------------|
| 3        | 3.5-5 mm     | M8-M03-S-D5 | 162 003 511 3001 |
| 4        | 3.5-5 mm     | M8-M04-S-D5 | 162 004 511 3001 |



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