

M12-A Circular Connector

60/125/250V 2/4A

Technical characteristics

|                          | 4-pole                              | 5-pole                              | 8-pole                             |
|--------------------------|-------------------------------------|-------------------------------------|------------------------------------|
| Rated current (40°C )    | 4A                                  | 4A                                  | 2A                                 |
| Rated voltage            | 250(125)V                           | 125V                                | 60V                                |
| Rated impulse voltage    | 2500V                               | 1500V                               | 800V                               |
| Pollution degree         | 3                                   | 3                                   | 3                                  |
| Overvoltage categorie    | II                                  | II                                  | II                                 |
| Contact resistance       | ≤ 10 mΩ                             | ≤ 10 mΩ                             | ≤ 10 mΩ                            |
| Connector locking system | screw M12x1                         | screw M12x1                         | screw M12x1                        |
| Termination              | screw/solder                        | screw/solder                        | screw/solder                       |
| Wire gauge               | max.0.75mm <sup>2</sup> (max.AWG18) | max.0.75mm <sup>2</sup> (max.AWG18) | max.0.5mm <sup>2</sup> (max.AWG20) |
| Cable outlet             | -                                   | -                                   | -                                  |
| Degree of protection     | IP67                                | IP67                                | IP67                               |
| Mechanical operation     | > 100                               | > 100                               | > 100                              |
| Limiting temperature     | -40°C ...+85°C                      | -40°C ...+85°C                      | -40°C ...+85°C                     |
| Material group           | III                                 | III                                 | III                                |
| Material of contact      | copper alloy                        | copper alloy                        | copper alloy                       |
| Contact plating          | Au                                  | Au                                  | Au                                 |
| Insulating material      | PA                                  | PA                                  | PA                                 |
| Material of housing      | PA/PBT                              | PA/PBT                              | PA/PBT                             |

Straight cable duo connectors

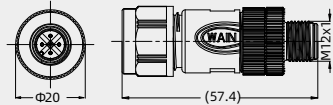
Male cable duo connector,  
metal locking system,  
screw clamp connection



A-Code



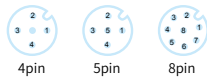
| Contacts | Cable outlet         | Designation    | Order No.        |
|----------|----------------------|----------------|------------------|
| 4        | 2(2.1-3 mm or4-5 mm) | M12-M04A-T-2D5 | 163 004 411 3004 |
| 5        | 2(2.1-3 mm or4-5 mm) | M12-M05A-T-2D5 | 163 005 411 3004 |
| 8        | 2(2.1-3 mm or4-5 mm) | M12-M08A-T-2D5 | 163 008 411 3004 |



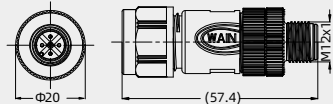
Male cable duo connector,  
metal locking system,solder



A-Code



| Contacts | Cable outlet         | Designation      | Order No.        |
|----------|----------------------|------------------|------------------|
| 4        | 2(2.1-3 mm or4-5 mm) | M12-MST04A-T-2D5 | 163 004 413 3508 |
| 5        | 2(2.1-3 mm or4-5 mm) | M12-MST05A-T-2D5 | 163 005 413 3506 |
| 8        | 2(2.1-3 mm or4-5 mm) | M12-MST08A-T-2D5 | 163 008 413 3508 |



Hexagonal driver



| Description                      | Designation | Order No.        |
|----------------------------------|-------------|------------------|
| for 8 pin screw clamp connection | SW-1.27*47  | 198 001 003 0016 |