

## M12-B Circular Connector

125/250V 4A

## Technical characteristics

|                          | 3-pole                                                | 4-pole                                                | 5-pole                                                |
|--------------------------|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Rated current(40°C )     | 4A                                                    | 4A                                                    | 4A                                                    |
| Rated voltage            | 250V                                                  | 250V                                                  | 125V                                                  |
| Rated impulse voltage    | 2500V                                                 | 2500V                                                 | 1500V                                                 |
| 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              | solde terminal                                        | screw terminal/solde terminal                         | screw terminal/solde terminal                         |
| Wire gauge               | max.0.75mm <sup>2</sup> (max.AWG18)                   | max.0.75mm <sup>2</sup> (max.AWG18)                   | max.0.75mm <sup>2</sup> (max.AWG18)                   |
| Cable outlet             | 4-6,6-8mm                                             | 4-6,6-8mm                                             | 4-6,6-8mm                                             |
| 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           | II                                                    | II                                                    | II                                                    |
| Material of contact      | copper alloy                                          | copper alloy                                          | copper alloy                                          |
| Contact plating          | Au                                                    | Au                                                    | Au                                                    |
| Insulating material      | PA                                                    | PA                                                    | PA                                                    |
| Material of housing      | zinc diecasting nickel plated,<br>brass nickel plated | zinc diecasting nickel plated,<br>brass nickel plated | zinc diecasting nickel plated,<br>brass nickel plated |

## Straight cable connectors, shielded

Female cable connector, shielded,

screw clamp connection,

with shielding ring

Recommended use

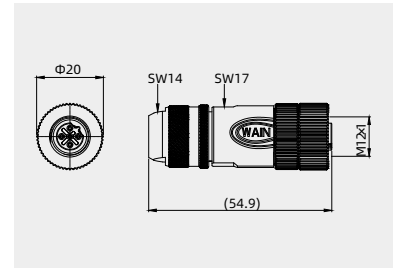


B-Code



4pin 5pin

| Contacts | Cable outlet | Designation       | Order No.        |
|----------|--------------|-------------------|------------------|
| 4        | 4-6 mm       | M12-F04B-T-D6-SH  | 163 104 421 2001 |
|          | 6-8 mm       | M12-F04B-T-D8-SH  | 163 004 421 2005 |
|          | 8-10 mm      | M12-F04B-T-D10-SH | 163 004 421 2503 |
| 5        | 4-6 mm       | M12-F05B-T-D6-SH  | 163 005 421 2006 |
|          | 6-8 mm       | M12-F05B-T-D8-SH  | 163 105 421 3003 |
|          | 8-10 mm      | M12-F05B-T-D10-SH | 163 005 421 2503 |



Female cable connector, shielded,

solde terminal, with shielding ring



B-Code



3pin 4pin 5pin

| Contacts | Cable outlet | Designation        | Order No.        |
|----------|--------------|--------------------|------------------|
| 3        | 4-6 mm       | M12-FST03B-T-D6-SH | 163 003 423 2502 |
|          | 6-8 mm       | M12-FST03B-T-D8-SH | 163 003 423 2503 |
| 4        | 4-6 mm       | M12-FST04B-T-D6-SH | 163 004 423 2501 |
|          | 6-8 mm       | M12-FST04B-T-D8-SH | 163 004 423 2502 |
| 5        | 4-6 mm       | M12-FST05B-T-D6-SH | 163 005 423 2500 |
|          | 6-8 mm       | M12-FST05B-T-D8-SH | 163 005 423 2501 |

