

M12-S Circular Connector

630V 12A

Technical characteristics

|                          |                               |                               |
|--------------------------|-------------------------------|-------------------------------|
| Number of contacts       | 3-pole                        | 4-pole                        |
| Rated current (40°C )    | 12A                           | 12A                           |
| Rated voltage            | 630V                          | 630V                          |
| Rated impulse voltage    | 6kV                           | 6kV                           |
| Pollution degree         | 3                             | 3                             |
| Contact resistance       | ≤ 10 mΩ                       | ≤ 10 mΩ                       |
| Connector locking system | solder                        | solder                        |
| Wire gauge               | max.1.5mm²(max.AWG16)         | max.1.5mm²(max.AWG16)         |
| 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      | zinc diecasting nickel plated | zinc diecasting nickel plated |

Socket

Male panel mount connector, solder

PG9/M16x1.5



| Contacts | screw   | Designation       | Order No.        |
|----------|---------|-------------------|------------------|
| 3(2+PE)  | PG9     | M12-M03S-BK-PG9-C | 163 003 313 2500 |
|          | M16x1.5 | M12-M03S-BK-M16-C | 163 003 313 2501 |
| 4(3+PE)  | PG9     | M12-M04S-BK-PG9-C | 163 004 313 2500 |
|          | M16x1.5 | M12-M04S-BK-M16-C | 163 004 313 2501 |

S-Code



Female panel mount connector, solder

PG9/M16x1.5



| Contacts | screw   | Designation       | Order No.        |
|----------|---------|-------------------|------------------|
| 3(2+PE)  | PG9     | M12-F03S-BK-PG9-C | 163 003 323 2500 |
|          | M16x1.5 | M12-F03S-BK-M16-C | 163 003 323 2501 |
| 4(3+PE)  | PG9     | M12-F04S-BK-PG9-C | 163 004 323 2500 |
|          | M16x1.5 | M12-F04S-BK-M16-C | 163 004 323 2501 |

S-Code

