Product data sheet

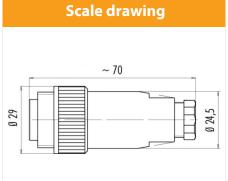
Power connectors

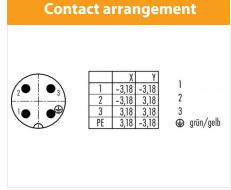


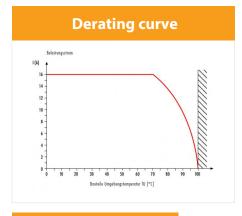
Product description RD24 cable connector, Contacts: 3+PE, 6.0 - 9.5 mm, Shielding is not possible, screw clamp, IP67, PG9

RD24 series 692 Order number 99 0209 00 04

Illustration







You can find the component part drawing and assembly instructions on the next page.

Technical data

General values

Connector design Connector locking system Termination Wire gauge (mm) Wire gauge (AWG) Cable outlet Upper limit temperature Lower limit temperature Customs tariff number

cable connector screw screw clamp max. 2.50 mm² max. 14 6.0 - 9.5 mm 100°C – 40 °C 85369010

Electrical values

Rated current (40 °C) Rated voltage Rated voltage UL Rated impulse voltage Pollution degree Overvoltage category Insulating material group Insulation resistance EMC compliance

Degree of protection

Degree of protection 2 Mechanical operation

Ш $\geq 10^{10}\,\Omega$ Shielding is not possible

16 A

400 V

6000 V

600

3

Ш

IP65 with cable diameter 6-7 mm IP65 with cable diameter 6-7 mm > 500 Mating cycles

Material

Contact material Contact plating Contact body material CuZn (brass) Ag (silver) PBT (UL 94 V-0)

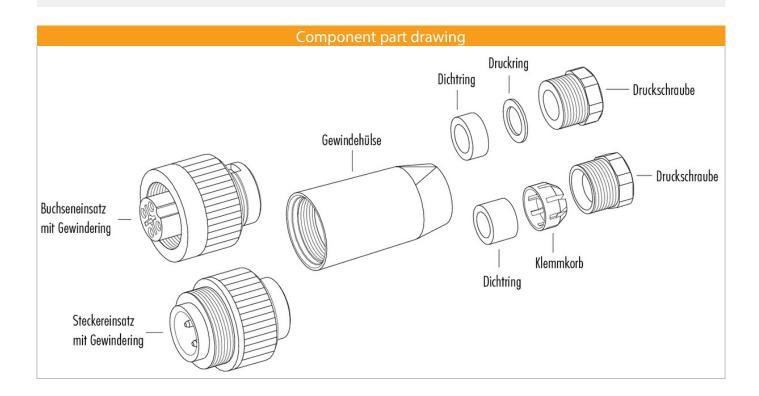
Product data sheet

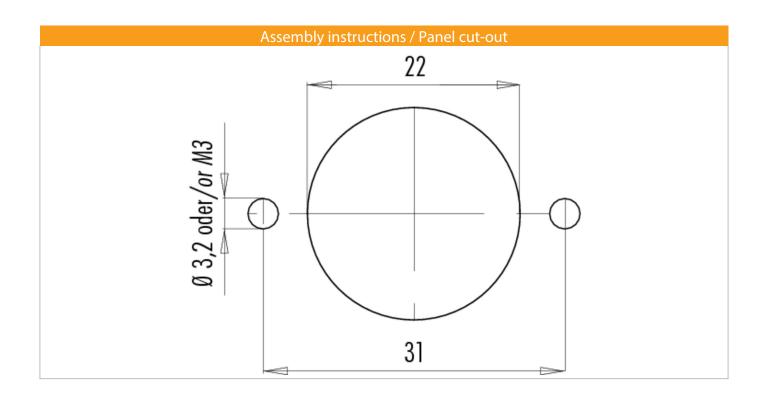
Power connectors



Product description RD24 cable connector, Contacts: 3+PE, 6.0 - 9.5 mm, Shielding is not possible, screw clamp, IP67, PG9

Area **RD24 series 692**Order number **99 0209 00 04**





Product data sheet

Power connectors



Product description RD24 cable connector, Contacts: 3+PE, 6.0 - 9.5 mm, Shielding is not possible, screw clamp, IP67, PG9

Area **RD24 series 692**Order number **99 0209 00 04**

Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

To prevent the connector being opened unintentionally when used in electrical circuits containing hazardous life parts, the thread between the housing and the connector head must be secured using a suitable cyanoacrylate adhesive. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

Connectors used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

The end user must take suitable safety measures to ensure that the connector cannot be disconnected accidentally. Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).