

Product data sheet

Power connectors

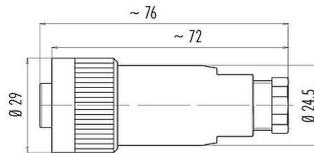


Product description	RD24 Female cable connector, Contacts: 3+PE, 6.0-9.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9
Area	RD24
Series	693
Part no.	99 4222 00 04

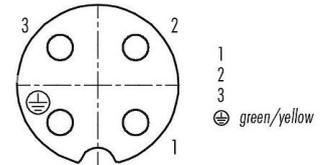
Illustration



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 4222 00 04
	Alternative part no.: 99 0210 00 04
Connector design	Female cable connector
Version	Connector socket straight
Connector locking system	screw
Termination	screw clamp
Degree of protection	IP67 IP65 with cable diameter 6-7 mm
Connection cross-section	max. 2.50 mm ² / AWG 14
Cable outlet	6.0-9.0 mm
Temperature range from/to	-40 °C / 100 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	38.82
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	400 V (600 V UL)
Rated impulse voltage	6000 V
Rated current	16 A (12 A UL)
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	III
EMC compliance	unshielded

Product data sheet

Power connectors



Product description **RD24 Female cable connector, Contacts: 3+PE, 6.0-9.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9**

Area **RD24**
 Series **693**
 Part no. **99 4222 00 04**

Material

Contact body material	PBT (UL94 V-0)
Contact material	CuZn (brass)
Contact plating	Ag (silver)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	9f65aac0-6d7f-466e-94a5-46a9c8ee604d

Authorization/approvals

Approvals	UL, ESTI+, VDE
-----------	----------------

Classifications

eCl@ss 11.1	27-44-01-02
ETIM 9.0	EC002635

Declarations of conformity

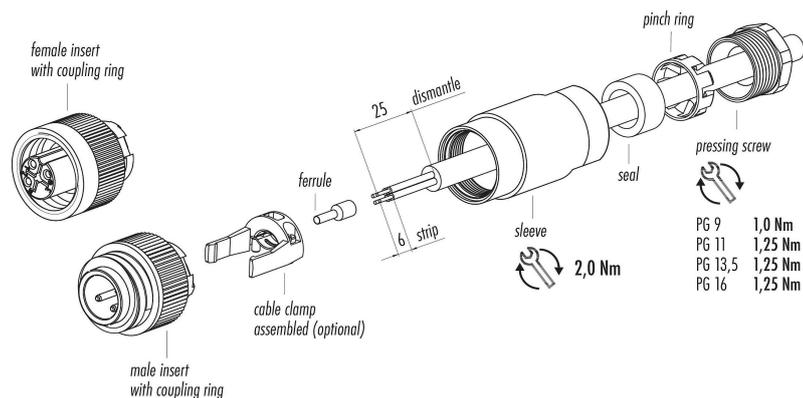
Low Voltage Directive	2014/35/EU (EN 60529:1991 2014/35/EU;EN 60204-1:2018)
-----------------------	---------------------------------------------------------

Trade-Compliance

Copper (9903.78.01)	0.011995 kg
---------------------	-------------

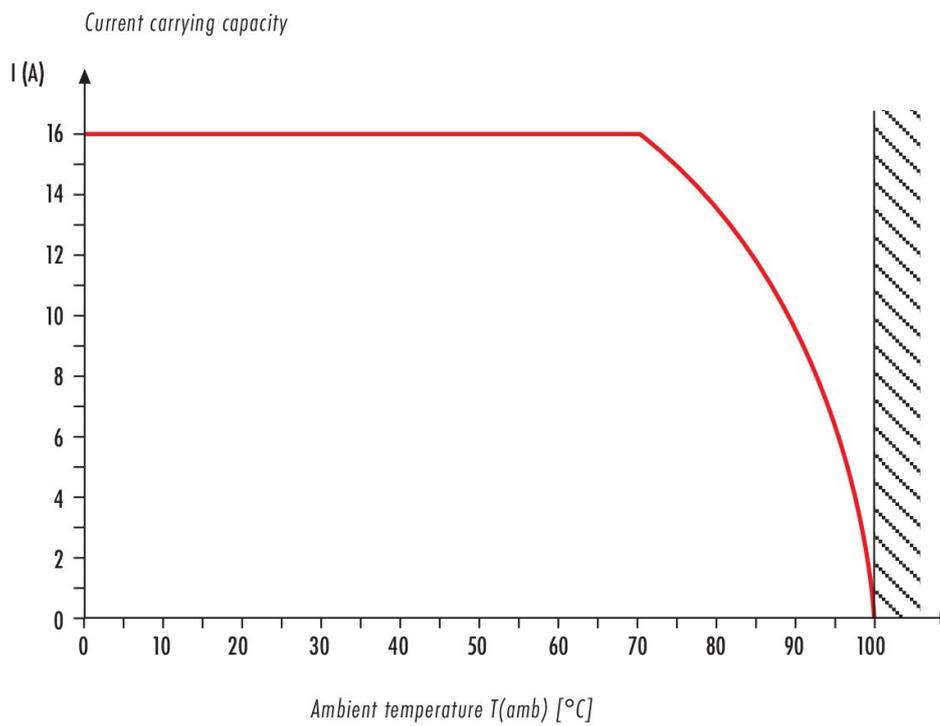
Assembly instructions

1. Unscrew the clamping screws until the holes for single wires are completely free.
2. Bead parts of the cable clamp and coupling sleeve onto the cable.
3. Dismantle cable.
4. Strip, twist and screw on single wires.
5. Screw on the sleeve.
6. Tighten pressing screw.



Product description	RD24 Female cable connector, Contacts: 3+PE, 6.0-9.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9
Area	RD24
Series	693
Part no.	99 4222 00 04

Derating curve



Product description	RD24 Female cable connector, Contacts: 3+PE, 6.0-9.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9
Area	RD24
Series	693
Part no.	99 4222 00 04

General Disclaim Notice

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".