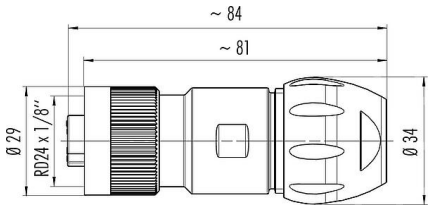
Product data sheet
Power connectors

Product description	**RD24 Female cable connector, Contacts: 3+PE, 7.0-17.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE**
Area	**RD24**
Series	**693**
Part no.	**99 4222 300 04**

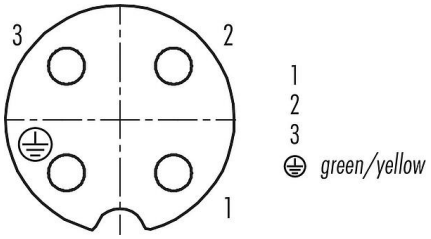
Illustration (may vary)



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 300 04
Connector design	Female cable connector
Version	Connector socket straight
Connector locking system	screw
Termination	screw clamp
Degree of protection	IP67
Connection cross-section	max. 2.50 mm² / AWG 14
Cable outlet	7.0-17.0 mm
Temperature range from/to	-40 °C / 100 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	51.19
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	400 V (600 V UL)
Rated impulse voltage	6000 V
Rated current	16.0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	III
EMC compliance	unshielded

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Material

Contact body material	PBT
Contact material	CuSn (bronze)
Contact plating	Ag (silver)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	a0be27c9-598d-4b0d-9a81-e5c0dfb73c78

Authorization/approvals

Approvals	UL, ESTI+, VDE

Classifications

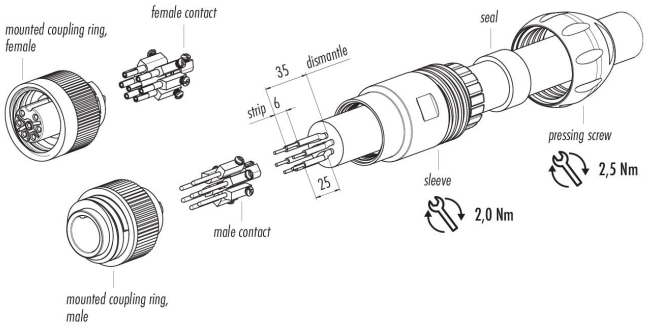
eCl@ss 11.1	27-44-01-02
ETIM 9.0	EC002635

Declarations of conformity

Low Voltage Directive	EN 60529:1991 | EN 60204-1:2018

Assembly instructions

1. *Strip to 35 mm length and take off cable jacket.*
2. *Bead pressing screw, pinch ring, seal and distance sleeve to cable.*
3. *Strip the insulation off the single wires to L = 6 mm. Dimension 25 mm applies to 6+PE center contact.*
4. *Insert wires into contacts and screw together.*
5. *Snap contacts with wires into the insulator and screw it together with the threaded ring with the coupling sleeve.*
6. *Insert sealing ring together with the pinch ring from behind into the coupling sleeve and tighten. (Recommended torque 4.0 Nm)*

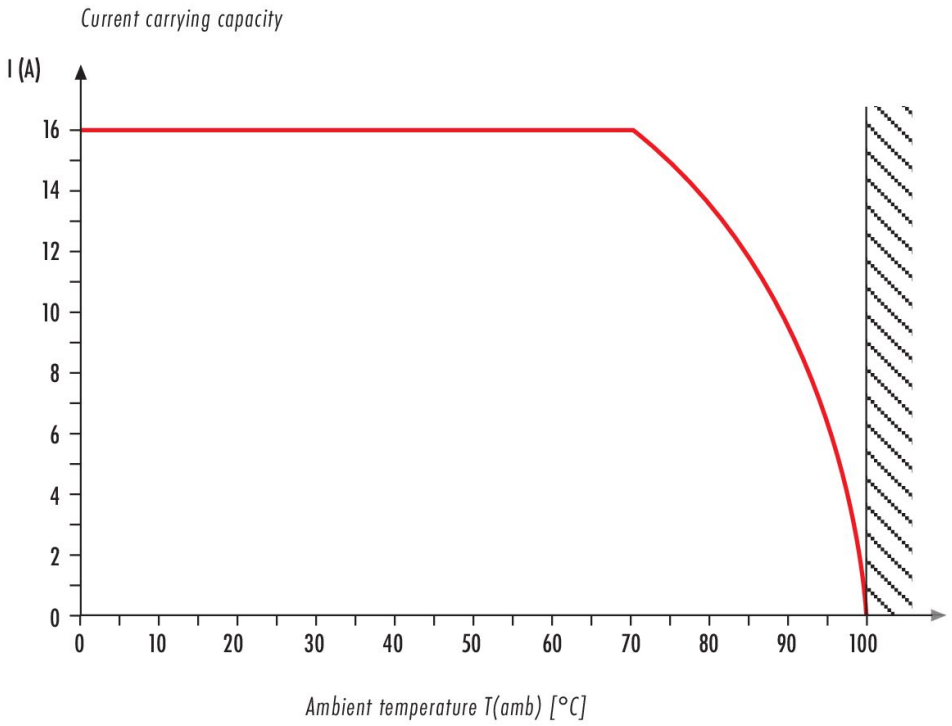


Date: 03.10.2026

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Derating curve



Date: 03.10.2026

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Security notices

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".