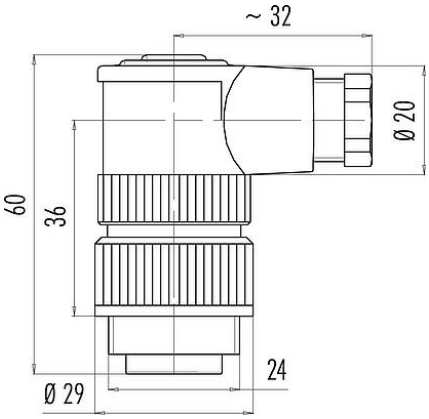
Product data sheet
Power connectors

Product description	**RD24 Male angled connector, Contacts: 3+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9**
Area	**RD24**
Series	**693**
Part no.	**99 4221 70 04**

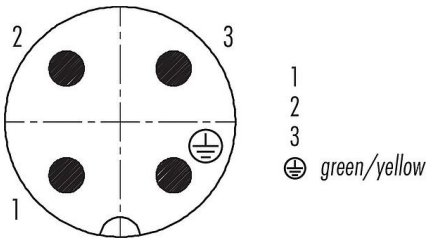
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 4221 70 04 Alternative part no.: 99 0209 70 04
Connector design	Male angled connector
Version	Connector pin angled
Connector locking system	screw
Termination	screw clamp
Degree of protection	IP67 IP65 with cable diameter 6-7 mm
Connection cross-section	max. 2.50 mm² / AWG 14
Cable outlet	6.0-8.0 mm
Twistability	45° (8 coding options)
Temperature range from/to	-40 °C / 100 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	38.93
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

Product data sheet
Power connectors

Product description	**RD24 Male angled connector, Contacts: 3+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9**
Area	**RD24**
Series	**693**
Part no.	**99 4221 70 04**

EMC compliance	unshielded

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	fe62835e-c1b6-4c7f-ae84-ddea3738b9f7

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

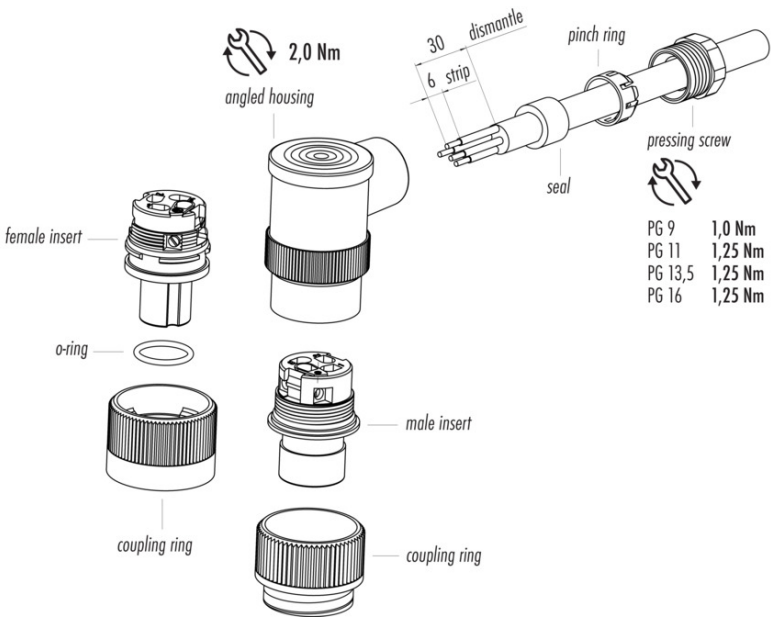
Trade-Compliance

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 angled housing onto the cable.
3. Dismantle cable.
4. Strip, twist and screw on single wires.
5. Only female insert: mount o-ring.
6. Snap on the threaded ring.
7. Screw on the angled housing.
8. Tighten pressing screw.

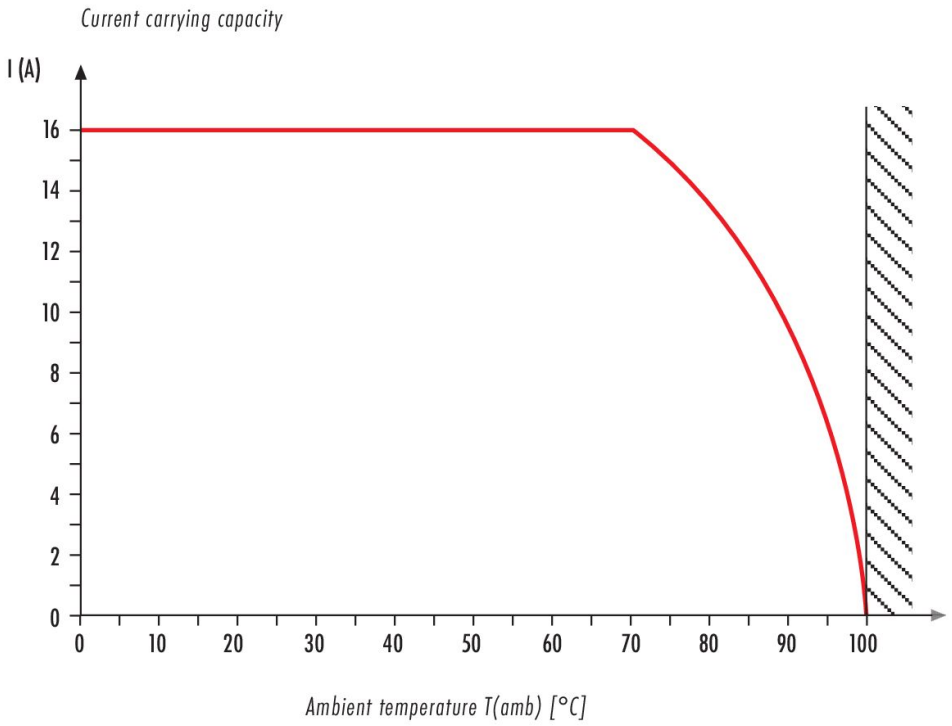


Date: 03.10.2026

Product data sheet
Power connectors

Product description	**RD24 Male angled connector, Contacts: 3+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9**
Area	**RD24**
Series	**693**
Part no.	**99 4221 70 04**

Derating curve



Date: 03.10.2026

Product data sheet
Power connectors

Product description	**RD24 Male angled connector, Contacts: 3+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, ESTI+, VDE, PG 9**
Area	**RD24**
Series	**693**
Part no.	**99 4221 70 04**

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".