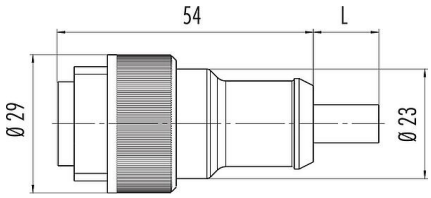
Product data sheet
Power connectors

Product description	**RD24 Male cable connector, Contacts: 6+PE, unshielded, moulded on the cable, IP67, PVC, black, 7 x 0.75 mm², 2 m**
Area	**RD24**
Series	**692**
Part no.	**79 0235 20 07**

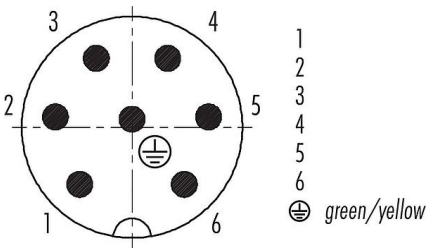
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



Cable length tolerance

cable length	tolerance
≥ 0,10 m	+ 0,03 m
≥ 0,20 m	+ 0,04 m
≥ 0,50 m	+ 0,07 m
≥ 1,00 m	+ 0,10 m
≥ 2,00 m	+ 0,15 m
≥ 5,00 m	+ 0,20 m
≥ 10,0 m	+ 0,25 m
≥ 20,0 m	+ 0,35 m

Technical data

General features

Part no.	79 0235 20 07
Connector design	Male cable connector
Cable length	2 m (Standard 2 m and 5 m. Other lengths are available on request.)
Version	Connector pin straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Connection cross-section	0.75 mm² / AWG 18

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Temperature range from/to	-25 °C / 80 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	307.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	4000 V
Rated current	8.0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	III
EMC compliance	unshielded

Material

Contact body material	PA12
Contact material	CuZn (brass)
Contact plating	Ag (silver)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	373eff9e-7f42-4af8-b08a-957c9cbbf79b

Cable data - Structure of the cable

Cross section	7 x 0.75 mm²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	24 x 0.20 mm
Cable color	black

Cable data - Thermal properties

Temperature range cable in move from/to	-5 °C / 80 °C
Temperature range cable fixed from/to	-20 °C / 80 °C

Cable data - Other features

Halogen free	no

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

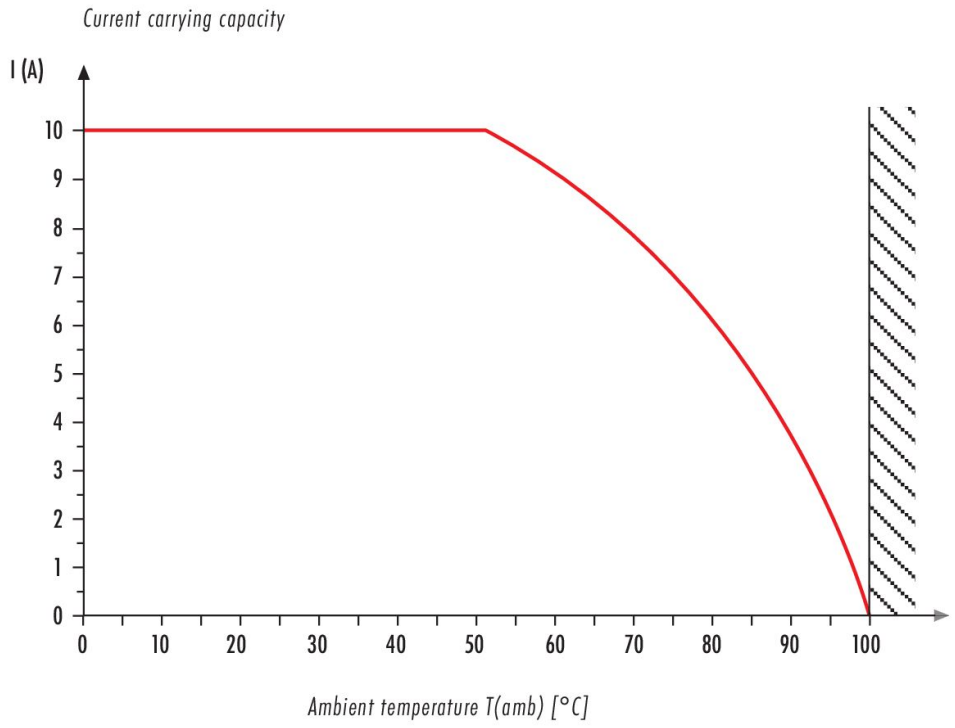
Declarations of conformity

Low Voltage Directive	EN 60529:1991 | EN 60204-1:2018
RoHS Directive	EN IEC 63000:2018

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Derating curve



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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".