

Product data sheet

Power connectors

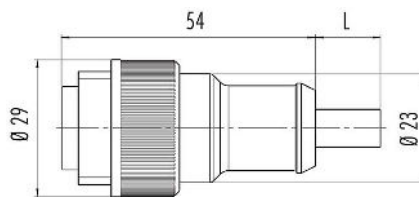


Product description	RD24 Male cable connector, Contacts: 3+PE, unshielded, moulded on the cable, IP67, PVC, black, 4 x 1.50 mm², 2 m
Area	RD24 series 692
Part no.	79 0231 20 04

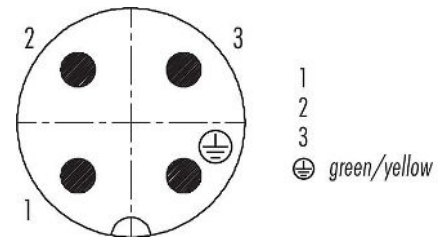
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	79 0231 20 04
Connector design	Male cable connector
Cable length	2 m
Version	Connector pin straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	1.50 mm ² / AWG 16
Temperature range from/to	-25 °C / 80 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	269.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	400 V
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

Material

Contact body material	PA12
Contact material	CuZn (brass)
Contact plating	Ag (silver)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	0c711d29-3268-41f1-a0d5-840a23afa32b

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Classifications

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

Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60204-1:2018;EN 60529:1991)
RoHS Directive	2011/65/EU (EN 50581:2012)

Cable data - Structure of the cable

Cable diameter	8.6 mm
Cross section	4 x 1.50 mm ²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	28 x 0.25 mm
Cable color	black

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 7.5 x Ø
Bending radius, moving cable	≥ 15 x Ø

Cable data - Thermal properties

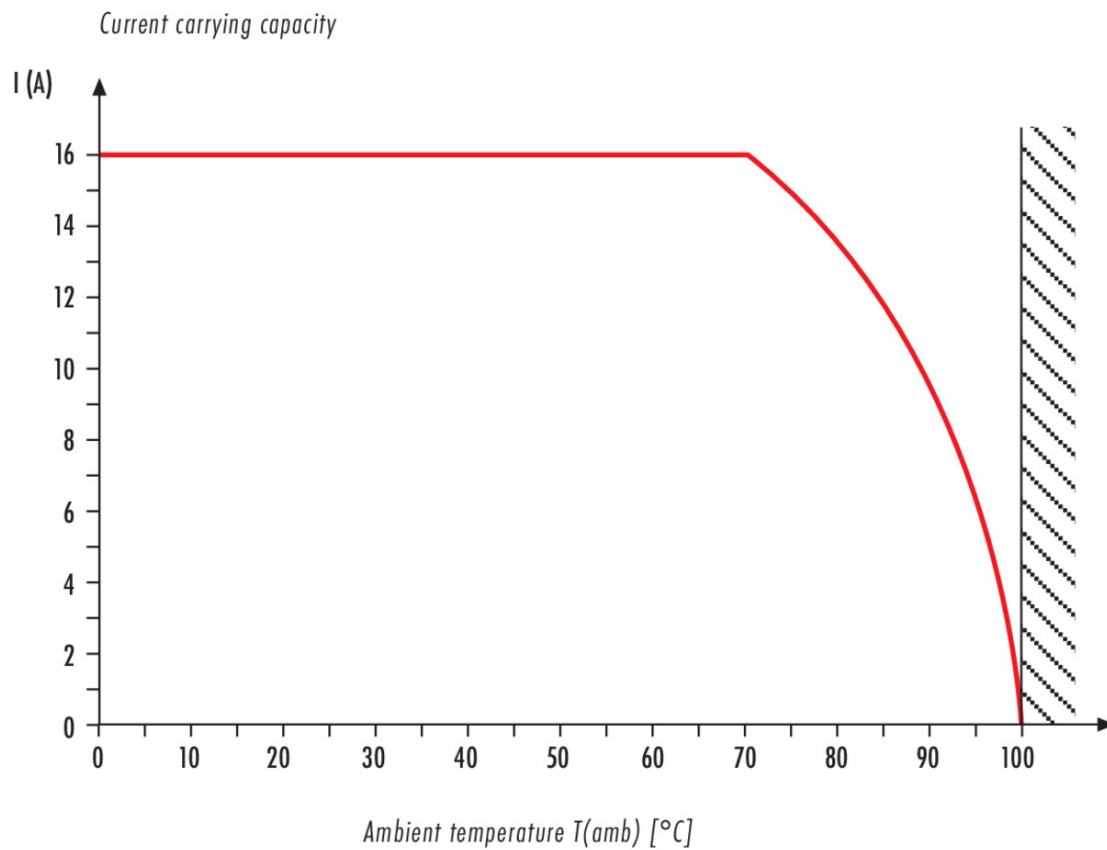
Temperature range cable in move from/to	-5 °C / 80 °C
Temperature range cable fixed from/to	-20 °C / 80 °C

Cable data - Other features

Halogen free	no
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Derating curve



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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.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).