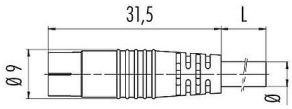
Product data sheet
Subminiature connectors

Product description	**Snap-In Male cable connector, Contacts: 4, unshielded, moulded on the cable, IP40, PVC, black, 4 x 0.25 mm², 2 m**
Area	**series 709**
Part no.	**79 9003 12 04**

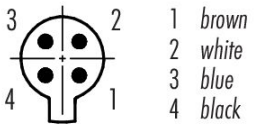
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	79 9003 12 04
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	snap-in
Termination	moulded on the cable
Degree of protection	IP40
Cross-sectional area	0.25 mm² / AWG 24
Temperature range from/to	-25 °C / 70 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	65.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	800 V
Rated current	3,0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	1
Overvoltage category	II
Insulating material group	III
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PA
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)

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SCIP number	c793562d-1b70-46de-8e5e-4c6c6b4b4b2f

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	4.5 mm
Cross section	4 x 0.25 mm²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	32 x 0.10 mm
Cable color	black

Cable data - Electrical properties

Conductor resistance	79.9 Ω/Km (20°C)

Cable data - Mechanical properties

Bending radius, fixed cable	5 x Ø
Bending radius, moving cable	10 x Ø
Bending cycles	> 5 million

Cable data - Thermal properties

Temperature range cable in move from/to	-5 °C / 70 °C
Temperature range cable fixed from/to	-25 °C / 70 °C

Cable data - Other features

Halogen free	no

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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.

The plug connector is not suitable for mains voltages Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

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