

# Product data sheet

## Subminiature connectors

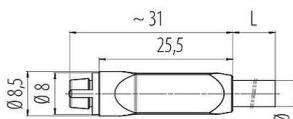


Product description	<b>Snap-In Female cable connector, Contacts: 4, unshielded, moulded on the cable, IP40, PVC, black, 4 x 0.25 mm<sup>2</sup>, 2 m</b>
Area	<b>Snap-In IP40</b>
Series	<b>709</b>
Part no.	<b>77 7096 0000 10004-0200</b>

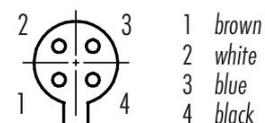
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



### Cable length tolerance

<i>cable length</i>	<i>tolerance</i>
≥ 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.	<b>77 7096 0000 10004-0200</b>
	Alternative part no.: 79 9004 12 04
Connector design	Female cable connector
Cable length	2 m (Standard 2 m and 5 m. Other lengths are available on request.)
Version	Connector socket straight
Connector locking system	snap-in
Termination	moulded on the cable
Degree of protection	IP40
Connection cross-section	0.25 mm <sup>2</sup> / AWG 24
Temperature range from/to	-25 °C / 70 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	80.723
Customs tariff number	85444290
Country of Origin	DE

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### Electrical parameters

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

### Material

Housing material	PUR
Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	0fd2a3ad-6b35-47e3-a2e0-3d137b5409ea

### Cable data - Structure of the cable

Cable diameter	4.5 mm
Cross section	4 x 0.25 mm <sup>2</sup>
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 $\Omega$ /Km (20°C)
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### Cable data - Mechanical properties

Bending radius, fixed cable	5 x $\emptyset$
Bending radius, moving cable	10 x $\emptyset$
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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### 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)

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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.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".