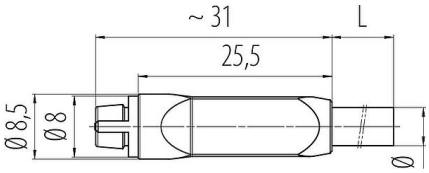
Product data sheet
Subminiature connectors

Product description	**Snap-In Female cable connector, Contacts: 5, unshielded, moulded on the cable, IP40, PVC, black, 5 x 0.25 mm², 5 m**
Area	**Snap-In IP40**
Series	**709**
Part no.	**77 7096 0000 10005-0500**

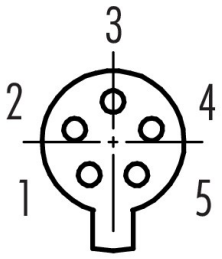
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



1 brown
2 white
3 blue
4 black
5 grey

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.	77 7096 0000 10005-0500 Alternative part no.: 79 9006 15 05
Connector design	Female cable connector
Cable length	5 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 mm² / AWG 24

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Temperature range from/to	-25 °C / 70 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	266.55
Customs tariff number	85444290
Country of Origin	CN

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	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	45b97a5c-7be4-474c-999f-627c9a22f1a8

Cable data - Structure of the cable

Cable diameter	5.0 mm
Cross section	5 x 0.25 mm²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	14 x 0.15 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

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

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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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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".