

# Product data sheet

## Subminiature connectors

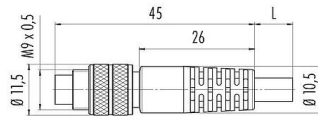


Product description	<b>M9 Male cable connector, Contacts: 4, shielded, moulded on the cable, IP67, PUR, black, 5 x 0.25 mm<sup>2</sup>, 2 m</b>
Area	<b>M9 IP67</b>
Part no.	<b>79 1409 12 04</b>

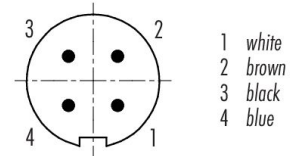
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



## Technical data

### General features

Part no.	<b>79 1409 12 04</b>
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
Cross-sectional area	0.25 mm <sup>2</sup> / AWG 24
Temperature range from/to	-25 °C / 70 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	81.70
Customs tariff number	85369010
Country of Origin	HU

### Electrical parameters

Rated voltage	125 V
Rated impulse voltage	1500 V
Rated current	3,0 A
Insulation resistance	≥ 10 <sup>10</sup> Ω
Pollution degree	1
Overvoltage category	II
Insulating material group	III
EMC compliance	shielded
Shield connection	Shield on the threaded ring

### Material

Housing material	PUR
Contact body material	PBT (UL94 V-0)
Contact material	CuZn (brass)
Contact plating	Au (gold)

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Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	d5900a88-f207-47db-a910-9b86036ca60e

### 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	4.8 mm
Cross section	5 x 0.25 mm <sup>2</sup>
Sheath material	PUR
Single-lead insulation	PP
Single-lead structure	32 x 0.10 mm
Cable color	black

### Cable data - Electrical properties

Conductor resistance	75 Ω/Km (20°C)
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### Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	> 2 million
Permitted acceleration	5 m/s <sup>2</sup>
Travel speed	at 5 m horizontal path -> 200 m/min

### Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 90 °C
Temperature range cable fixed from/to	-50 °C / 90 °C

### Cable data - Other features

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