

Product data sheet

Subminiature connectors

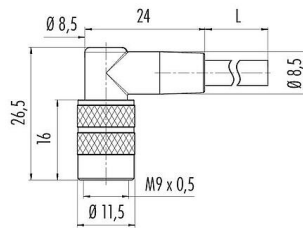


Product description	M9 Female angled connector, Contacts: 5, unshielded, moulded on the cable, IP67, PUR, black, 5 x 0.25 mm², 5 m
Area	M9 IP67
Part no.	79 1456 275 05

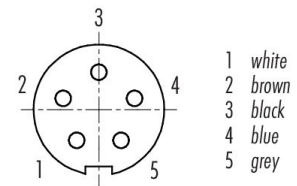
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	79 1456 275 05
Connector design	Female angled connector
Cable length	5 m (Standard 2 m and 5 m. Other lengths are available on request.)
Version	Connector socket angled
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-25 °C / 70 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	176.60
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 ¹⁰ Ω
Pollution degree	1
Overvoltage category	II
Insulating material group	III
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PBT (UL94 V-0)
Contact material	CuSn (bronze)
Contact plating	Au (gold)

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Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	bd057969-41ee-4b79-b474-3c25fa98b15a

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	5.0 mm
Cross section	5 x 0.25 mm ²
Sheath material	PUR
Single-lead insulation	PVC
Single-lead structure	32 x 0.11 mm
Cable color	black

Cable data - Electrical properties

Conductor resistance	77.5 Ω/Km (20°C)
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Cable data - Mechanical properties

Bending radius, fixed cable	min. 5 x Ø
Bending radius, moving cable	min. 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

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