

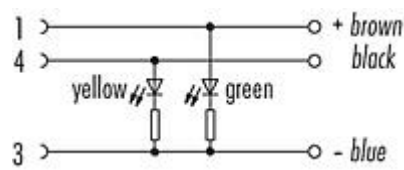
Product description M12-A female angled connector, Contacts: 3, unshielded, moulded cable, IP69K, UL, PVC grey, 3 x 0.34 mm², with LED PNP normally open, 2 m

Area M12-A series 763
Part no. 77 3634 0000 20003-0200

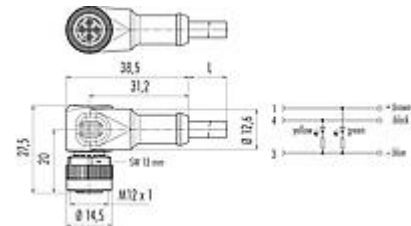
Illustration



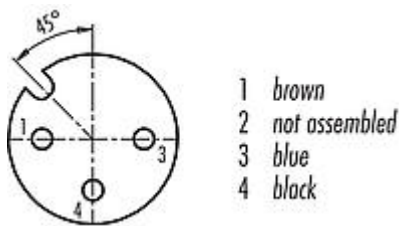
Pin assignment plans



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3634 0000 20003-0200
	Alternative part no.: 79 3436 12 04
Notice	Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.
Connector design	female angled connector
Cable length	2 m
Version	female angled
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP69K
Cross-sectional area	0.34 mm ² / AWG 22
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles

Product data sheet

Automation technology - sensors and actuators



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Additional information with LED PNP normally open
Weight (g) 163.00
Customs tariff number 85444290

Electrical parameters

Rated voltage 10 - 30 V
Rated impulse voltage 500 V
Rated current (40 °C) 4,0 A
Insulation resistance $\geq 10^{10} \Omega$
Pollution degree 3
Overvoltage category II
Insulating material group II
EMC compliance unshielded

Material

Housing material PUR
Contact body material PUR
Contact material CuSn (bronze)
Contact plating Au (gold)
Locking material Zinc die-cast nickel-plated
REACH SVHC None (No pollutants)
SCIP number SCIP-number not available

Authorization/approvals

Approvals UL

Classifications

eCl@ss 11.1 27-06-03-11
ETIM 7.0 EC001855

Declarations of conformity

RoHS Directive 2011/65/EU (EN 50581:2012)

Cable data - Structure of the cable

Cable diameter 4.5 mm
Cross section 3 x 0.34 mm²
Sheath material PVC
Single-lead insulation PVC

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Single-lead structure 42 x 0.10 mm

Cable color grey

Cable data - Electrical properties

Conductor resistance 57 Ω/Km (20°C)

Cable data - Mechanical properties

Bending radius, fixed cable $\geq 5 \times \varnothing$

Bending radius, moving cable $\geq 10 \times \varnothing$

Bending cycles >2 million

Permitted acceleration max. 5 m/s² + 1 m/s²

Travel distance, horizontal 5 m/s² -> 5 m

Travel distance, vertical 5 m/s² -> 5 m

Travel speed ≤ 200 m/min (5 m horizontal distance)

Cable data - Thermal properties

Temperature range cable in move from/to -5 °C / 105 °C

Temperature range cable fixed from/to -40 °C / 105 °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.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).