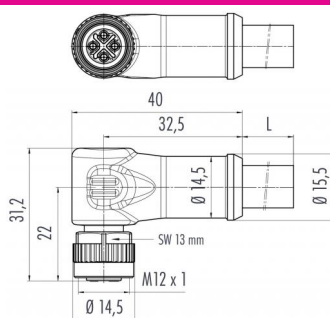


Product description	M12-S female angled connector, Contacts: 3+PE, unshielded, moulded on cable, IP68, PUR, flame retardant black, 4 x 1.50 mm ²
Area	M12-S series 814
Order number	77 0694 0000 50704-0500

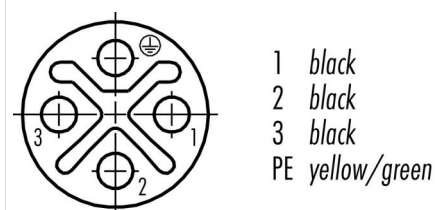
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Order number	77 0694 0000 50704-0500
Connector design	female angled connector
Cable length	5 m
Version	connector female angled
Connector locking system	screw
Termination	moulded on cable
Degree of protection	IP68
Cross-sectional area	1.50 mm ² / AWG 16
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Customs tariff number	85444290

Electrical parameters

Rated voltage	630 V
Rated impulse voltage	6000 V
Rated current (40 °C)	12 A
Pollution degree	3
Overvoltage category	III
Insulating material group	II
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)

Classifications

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

Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60529:1991;EN 60204-1:2018)
RoHS Directive	2011/65/EU (EN 50581:2012)

Cable data

Cable diameter	8.1 mm
Cross section	4 x 1.50 mm ²
Sheath material	PUR, flame retardant
Single-lead insulation	PP
Single-lead structure	84x0.15 mm
Cable color	black
Conductor resistance	146
Bending radius, fixed cable	≥ 10 x Ø
Bending radius, moving cable	≥ 15 x Ø
Bending cycles	5 Mio
Travel distance, horizontal	20m
Travel speed	180 m/min (at 2.5m)
Temperature range cable in move from/to	-20°C / +80°C
Temperature range cable fixed from/to	-50°C / +80°C
Halogen free	Yes

Product description	M12-S female angled connector, Contacts: 3+PE, unshielded, moulded on cable, IP68, PUR, flame retardant black, 4 x 1.50 mm ²
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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.

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. 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. 50 cNm).