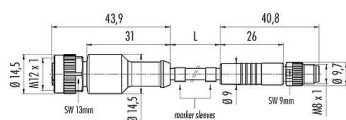


Product description	M12 Male cable connector - female cable connector M8x1, Contacts: 3, unshielded, moulded on the cable, IP67, UL, PVC, grey, 3 x 0.34 mm ² , 5 m
-	-
Area	series 765
Part no.	77 3430 3405 20003-0500

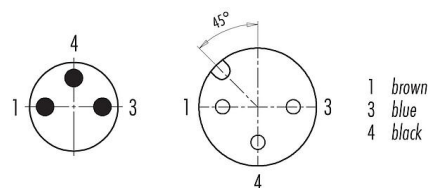
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3430 3405 20003-0500
Connector design	Male cable connector - female cable connector M8x1
Type standard	DIN EN 61076-2-104 DIN EN 61076-2-101
Cable length	5 m (Other lengths are available on request).
Version	Connecting cable
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.34 mm ² / AWG 22
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	152
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	800 V
Rated current	4.0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

Material

Contact body material	PUR
Contact material	CuZn (brass)

Product description	M12 Male cable connector - female cable connector M8x1, Contacts: 3, unshielded, moulded on the cable, IP67, UL, PVC, grey, 3 x 0.34 mm², 5 m
-	-
Area	series 765
Part no.	77 3430 3405 20003-0500

Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	2470e2c6-2873-4383-9b2b-570ff781beb8

Authorization/approvals

Approvals	UL
-----------	----

Classifications

ETIM 9.0	EC002638
----------	----------

Cable data - Structure of the cable

Cable diameter	4.5 mm
Cross section	3 x 0.34 mm ²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	42 x 0.10 mm
Cable color	grey

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	> 2 million
Permitted acceleration	max. 5 m/s ² + 1 m/s ²
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

Product description	M12 Male cable connector - female cable connector M8x1, Contacts: 3, unshielded, moulded on the cable, IP67, UL, PVC, grey, 3 x 0.34 mm², 5 m
-	-
Area	series 765
Part no.	77 3430 3405 20003-0500

General Disclaim Notice

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.

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 IP67 and IP68 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.

The plug connector is not suitable for mains voltages Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

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