Product data sheet

Automation technology - sensors and actuators



Product description Connecting Cables connection cable male cable connector - female cable connector, Contacts: 4, unshielded,

moulded cable, IP67, UL, PVC grey, 4 x 0.34 mm², 3 m

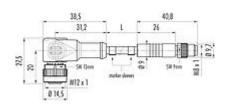
Area Connecting Cables series 765
Part no. 77 3434 3405 20004-0300

Illustration

Scale drawing

Contact arrangement (Plug-in side)









1 broun/brown 2 weil/white 3 blou/bloe 4 suhwerz/block

Technical data

General features

Part no.	77 3434 3405 20004-0300
Connector design	connection cable male cable connector - female cable connector
Cable length	3 m
Version	connecting cable
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP67
Cross-sectional area	0.34 mm² / AWG 22
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	130.0
Customs tariff number	85444290

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	800 V
Rated current (40 °C)	4,0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

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Material

Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	a2928193-46ef-4c1b-8c9f-bc1a7a064720

Authorization/approvals

Approvals	UL	

Cable data - Structure of the cable

Calala diamatan	4.0
Cable diameter	4.8 mm
Cross section	4 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. $5 \text{ m/s}^2 + 1 \text{ m/s}^2$
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

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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 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.

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).