Product data sheet

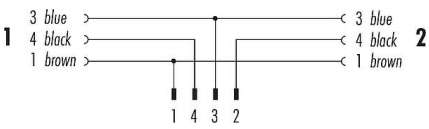
Automation technology - Sensors and actuators

Product description	**M12/M8 Male cable splitter - 2 female angled connector, Contacts: 4/3, unshielded, moulded on the cable, IP67, UL 2238, PUR, black, 3 x 0.34 mm², 2 m**
Area	**Cable Splitters & Distributors**
Coding	**A-coded**
Series	**765**
Part no.	**77 9829 3408 50003-0200**

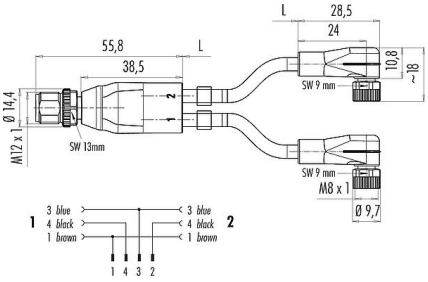
Illustration (may vary)



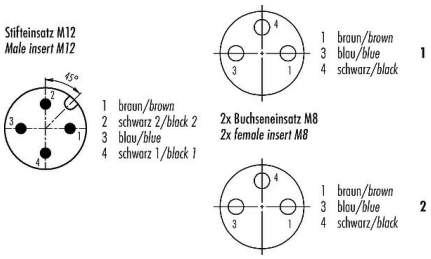
Pin assignment plans



Scale drawing



Contact arrangement (Plug-in side)



Cable length tolerance

cable length	tolerance
≥ 0,10 m	+ 0,03 m
≥ 0,20 m	+ 0,04 m
≥ 0,50 m	+ 0,07 m
≥ 1,00 m	+ 0,10 m
≥ 2,00 m	+ 0,15 m
≥ 5,00 m	+ 0,20 m
≥ 10,0 m	+ 0,25 m
≥ 20,0 m	+ 0,35 m

Technical data

General features

Part no.	77 9829 3408 50003-0200 Alternative part no.: 79 5205 20 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	Male cable splitter - 2 female angled connector

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Type standard	DIN EN 61076-2-104 DIN EN 61076-2-101
Coding	A-coded
Cable length	2 m (Standard 1 m and 2 m. Other lengths are available on request.)
Version	Cable splitters
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Connection cross-section	0.34 mm² / AWG 22
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	176.22
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	30 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

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	cb64b24b-bbad-4a8c-a2c6-114184671e02

Cable data - Structure of the cable

Cable diameter	4.3 mm
Cross section	3 x 0.34 mm²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	43 x 0.10 mm
Cable color	black

Cable data - Electrical properties

Conductor resistance	60 Ω/Km (20°C)

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Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	> 5 million
Permitted acceleration	≥ 5 m/s²
Travel distance, horizontal	≥ 5 m
Travel distance, vertical	≥ 5 m
Travel speed	≤ 200 m/min

Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 80 °C
Temperature range cable fixed from/to	-50 °C / 80 °C

Cable data - Other features

Halogen free	yes

Authorization/approvals

Approvals	UL 2238

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

Declarations of conformity

RoHS Directive	EN IEC 63000:2018