Product data sheet

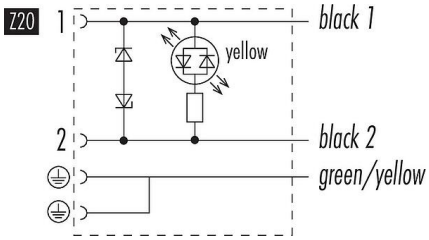
Automation technology - Solenoid valve connectors

Product description	**Female solenoid valve connector, Contacts: 2+2PE, unshielded, moulded on the cable, IP67, PUR, black, Circuit Z20, with LED PNP, 5 m**
Area	**Size A**
Series	**210**
Part no.	**31 5237 500 520**

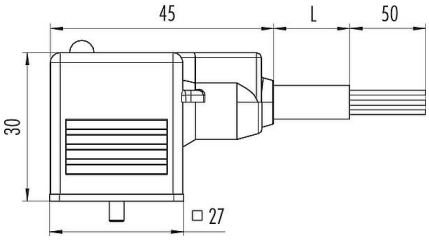
Illustration (may vary)



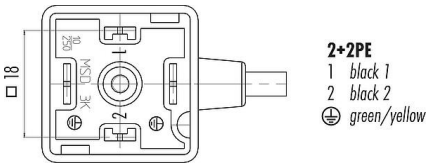
Pin assignment plans



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.	31 5237 500 520 Alternative part no.: 31 1313 500 520
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 solenoid valve connector
Type standard	DIN EN 175301-803
Cable length	5 m (Standard 2 m and 5 m. Other lengths are available on request.)

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Version	Solenoid valve connectors
Connector locking system	Central bolt
Termination	moulded on the cable
Degree of protection	IP67
Connection cross-section	0.75 mm² / AWG 18
Temperature range from/to	-25 °C / 80 °C
Mechanical operation	> 50 Mating cycles
Weight (g)	300
Customs tariff number	85444290

Electrical parameters

Rated voltage	24 V
Rated impulse voltage	4000 V
Rated current	4.0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	I
EMC compliance	unshielded
Wiring	Z20

Material

Housing material	PBT
Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Sn (tin)
REACH SVHC	None (No pollutants)
SCIP number	5cba336c-1f3f-472c-b9cb-645c5a32685d

Cable data - Structure of the cable

Cable diameter	6.0 mm
Sheath material	PUR
Single-lead structure	3 x 0.75 mm
Cable color	black

Cable data - Other features

Halogen free	yes

Classifications

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

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Declarations of conformity

RoHS Directive	EN IEC 63000:2018

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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.

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.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".