

# Product data sheet

## Automation technology - Solenoid valve connectors



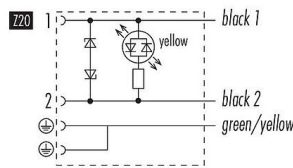
Product description **Female solenoid valve connector, Contacts: 2+2PE, unshielded, moulded on the cable, IP67, PUR, black, Circuit Z20, with LED PNP, 5 m**

Area **Model A**  
Part no. **31 5237 500 520**

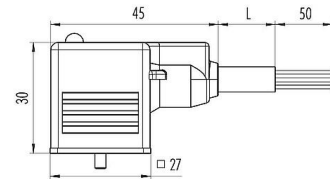
### Illustration



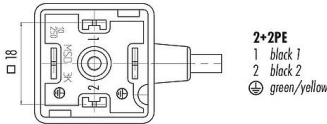
### Pin assignment plans



### Scale drawing



### Contact arrangement (Plug-in side)



## Technical data

### General features

Part no.	<b>31 5237 500 520</b>
Notice	Alternative part no.: 31 1313 500 520 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.)
Version	Solenoid valve connector
Connector locking system	Central bolt
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.75 mm <sup>2</sup> / AWG 18
Temperature range from/to	-25 °C / 80 °C
Mechanical operation	> 50 Mating cycles
Additional information	Circuit Z20 with LED PNP
Weight (g)	300.00

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Customs tariff number	85444290
Country of Origin	CZ

### Electrical parameters

Rated voltage	24 V
Rated impulse voltage	4000 V
Rated current	10.0 A
Insulation resistance	$\geq 10^{10} \Omega$
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	CAS 7439-92-1 (Lead)
SCIP number	5cba336c-1f3f-472c-b9cb-645c5a32685d

### Classifications

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

### Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)
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### 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
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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.

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 user must take appropriate safety precautions to ensure that the connector cannot be accidentally disconnected. In addition, the user must ensure that the cable is suitably secured.