

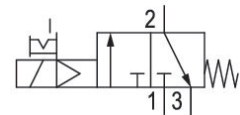
3/2-directional valve, Series ST

0820031065

Series ST

The AVENTICS Series ST offers a comprehensive range of spool valves with hardened stainless steel housing. The metal sealing system ensures their extended service life independent of the air quality. Its electrical, pneumatic, or mechanical actuating controls (roller, lever, pedal, push-button or plunger) make the ST Series ideal for demanding industry applications and panel installation.

- Stainless steel housing
- Metal to metal sealing
- Various mechanical actuating controls available
- panel installation



Technical data

Industry

Activation

Note

Valve type

Switching principle

Valve function

Sealing principle

Connection type

Manual override

Industrial

Electrically

Archive product: Do not use in new constructions!

Spool valve

3/2, with spring return

NC/NC

metal/metal sealing

Pipe connection

with detent

Compressed air connection type

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

Internal thread

G 1/8

G 1/8

G 1/8

Nominal flow Q_n

280 l/min

Min. working pressure

2 bar

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Max. working pressure	10 bar
Min. control pressure	2 bar
Max. control pressure	10 bar
Electrical connection type	Plug
Electrical connection size	ISO 15217, form C
Protection class with connection	IP65
Operational voltage	12 V DC
Operational voltage DC	12 V
Voltage tolerance DC	-10 % / +10 %
Pilot	Internal
Pilot valve width	15 mm
Power consumption DC	2 W
Duty cycle	100 %
Typ. switch-on time	13 ms
Typ. switch-off time	18 ms
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Min. medium temperature	-10 °C
Max. medium temperature	50 °C
Medium	Compressed air
Min. oil content of compressed air	5 mg/m ³
Max. oil content of compressed air	25 mg/m ³
Max. particle size	5 µm
Mounting screws	M4 with hexagon socket
Mounting screw tightening torque	2.5 Nm
Tightening torque tolerance	±0,5
Weight	0.22 kg
Material	
Housing material	Stainless Steel
Surface housing	hardened
Seal material	Acrylonitrile butadiene rubber
Material front plate	Aluminum
Material end plate	Polyamide

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Part No.

0820031065

Technical information

Notice: This product may only be operated with oiled compressed air.

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

Dimensions

