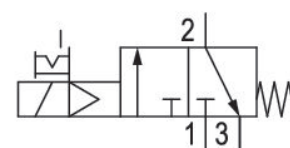


3/2-directional valve, Series ST

0820031065

General series information 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.



Technical data

Industry
Industrial

Activation
Electrically

Nominal flow Q_n
280 l/min

Switching principle
3/2

Version
NC/NC

Compressed air connection output
G 1/8

Working pressure min.
2 bar

Working pressure max
10 bar

DC operating voltage
12 V

Voltage tolerance DC
-10% / +10%

Manual override
with detent

Electrical connection type
Plug

Electrical connection size
ISO 15217, form C

Actuating control
Single Solenoid

Sealing principle
metal/metal sealing

Pilot
Internal

Pilot valve width
15 mm

Valve type
Spool valve

Control pressure min.
2 bar

Control pressure max.
10 bar

Min. ambient temperature
-10 °C

Max. ambient temperature
50 °C

Min. medium temperature
-10 °C

Compressed air connection input
G 1/8

Power consumption DC
2 W

Duty cycle
100 %

Pilot valve width
15 mm

Protection class with connection
IP65

mounting screws
M4 with hexagon socket

Housing material
Stainless Steel

Seal material
Acrylonitrile butadiene rubber

Material front plate
Aluminum

Connection type
Pipe connection

Return
With spring return

Max. medium temperature
50 °C

Medium
Compressed air

Max. particle size
5 µm

Oil content of compressed air min.
5 mg/m³

Oil content of compressed air max.
25 mg/m³

Compressed air connection, exhaust
G 1/8

Typ. switch-on time
13 ms

Typ. switch-off time
18 ms

Mounting screw tightening torque
2.5 Nm

Tightening torque tolerance
±0,5

Weight
0.22 kg

Material end plate
Polyamide

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 under 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

