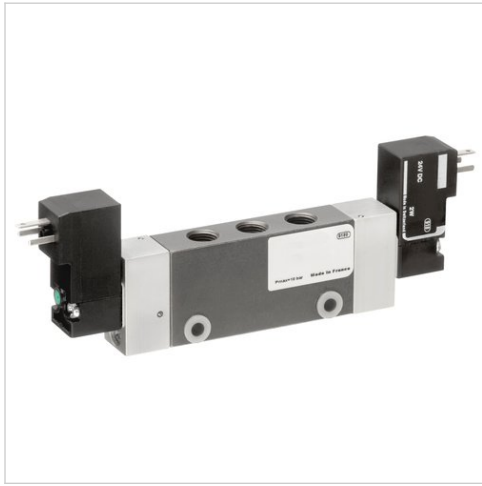


5/2-directional valve, Series ST

- 5/2
- $Q_n = 0.284 \text{ Cv}$
- Pilot valve width : 15 mm
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, ISO 15217, form C
- Manual override : without detent with detent
- double solenoid
- Pilot : Internal



Type	Spool valve
Activation	Electrically
Pilot	Internal
Sealing principle	metal/metal sealing
Working pressure min./max.	29 ... 145 psi
Control pressure min./max.	29 ... 145 psi
Ambient temperature min./max.	14 ... 122 °F
Medium temperature min./max.	14 ... 122 °F
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	5 ... 25 mg/m ³
Nominal flow Q_n	0.284 Cv
Protection class with connection	IP65
Duty cycle	100 %
mounting screws	M4 with hexagon socket
Mounting screw tightening torque	1.84 ft./lbs.
Tightening torque tolerance	±0,5
Weight	0.705 lbs

Technical data

Part No.		MO	Compressed air connection	
			Input	Output
0820030155			G 1/8	G 1/8
0820030153			G 1/8	G 1/8
0820030151			G 1/8	G 1/8
0820030152			G 1/8	G 1/8
0820030154			G 1/8	G 1/8
0820030150			G 1/8	G 1/8
0820030165			G 1/8	G 1/8
0820030163			G 1/8	G 1/8
0820030161			G 1/8	G 1/8
0820030162			G 1/8	G 1/8
0820030164			G 1/8	G 1/8
0820030160			G 1/8	G 1/8

Part No.	Compressed air connection		Operational voltage	
	Exhaust		DC	AC 50 Hz
0820030155	G 1/8		12 V	-
0820030153	G 1/8		-	24 V
0820030151	G 1/8		24 V	-
0820030152	G 1/8		24 V	-
0820030154	G 1/8		-	-
0820030150	G 1/8		-	230 V
0820030165	G 1/8		12 V	-
0820030163	G 1/8		-	24 V
0820030161	G 1/8		24 V	-
0820030162	G 1/8		24 V	-
0820030164	G 1/8		-	-
0820030160	G 1/8		-	230 V

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
0820030155	-	-10% / +10%	-	-
0820030153	-	-	-10% / +10%	-
0820030151	-	-10% / +10%	-	-
0820030152	-	-10% / +10%	-	-
0820030154	110 V	-	-	-10% / +10%
0820030150	-	-	-10% / +10%	-
0820030165	-	-10% / +10%	-	-
0820030163	-	-	-10% / +10%	-
0820030161	-	-10% / +10%	-	-
0820030162	-	-10% / +10%	-	-
0820030164	110 V	-	-	-10% / +10%
0820030160	-	-	-10% / +10%	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
0820030155	2 W	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
0820030153	-	1.6 VA	-	2.2 VA
0820030151	2 W	-	-	-
0820030152	1 W	-	-	-
0820030154	-	-	1.4 VA	-
0820030150	-	1.6 VA	-	2.2 VA
0820030165	2 W	-	-	-
0820030163	-	1.6 VA	-	2.2 VA
0820030161	2 W	-	-	-
0820030162	1 W	-	-	-
0820030164	-	-	1.4 VA	-
0820030160	-	1.6 VA	-	2.2 VA

Part No.	Switch-on power	Typ. switch-on time	Typ. switch-off time	
	AC 60 Hz			
0820030155	-	12 ms	12 ms	-
0820030153	-	-	-	-
0820030151	-	12 ms	12 ms	-
0820030152	-	13 ms	13 ms	1)
0820030154	2 VA	-	-	-
0820030150	-	-	-	-
0820030165	-	12 ms	12 ms	-
0820030163	-	-	-	-
0820030161	-	12 ms	12 ms	-
0820030162	-	13 ms	13 ms	1)
0820030164	2 VA	-	-	-
0820030160	-	-	-	-

Nominal flow Q_n at 87 psi and $\Delta p = 14.5$ psi, MO = Manual override

1) Low power consumption

Technical information

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

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 the MediaCentre).

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

Technical information

Material	
Housing	Stainless steel, hardened
Seals	Acrylonitrile butadiene rubber
Front plate	Aluminum, hard-anodized
End plate	Aluminum, hard-anodized

Dimensions

Dimensions

