

2x3/2-directional valve, Series TC15

- Qn = 1100 l/min
- Pilot valve width : 15 mm
- Plate connection Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, ISO 15217, form C
- Can be assembled into blocks
- Manual override : with detent without detent
- Double solenoid
- With spring return
- Pilot : external



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	external
Sealing principle	Soft sealing
Blocking principle	Plate principle
Working pressure min./max.	-0,9 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Qn	1100 l/min
Connector standard	ISO 15217
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	16 ms
Generic emission standard in accordance with	EN 50081-2:1993
Generic immunity standard in accordance with	EN 50082-2
Weight	0,25 kg

Technical data

Part No.		MO	Compressed air connection		Operational voltage
			Output	DC	
R422102197		NC/NC		G 1/4	24 V
R422102201		NO/NO		G 1/4	24 V
R422102205		NC/NO		G 1/4	24 V
R422102209		NC/NC		G 1/4	24 V
R422102213		NO/NO		G 1/4	24 V
R422102217		NC/NO		G 1/4	24 V

Part No.	Voltage tolerance	Power consumption	Flow conductance	Flow conductance
	DC	DC	b	C-value
R422102197	-10% / +10%	2 W	0,25	5,9 l/(s*bar)

Part No.	Voltage tolerance	Power consumption	Flow conductance	Flow conductance
	DC	DC	b	C-value
R422102201	-10% / +10%	2 W	0,25	5,9 l/(s*bar)
R422102205	-10% / +10%	2 W	0,25	5,9 l/(s*bar)
R422102209	-10% / +10%	2 W	0,25	5,9 l/(s*bar)
R422102213	-10% / +10%	2 W	0,25	5,9 l/(s*bar)
R422102217	-10% / +10%	2 W	0,25	5,9 l/(s*bar)

Part No.	Nominal resistance
R422102197	280 Ω
R422102201	280 Ω
R422102205	280 Ω
R422102209	280 Ω
R422102213	280 Ω
R422102217	280 Ω

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, MO = Manual override

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 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 the MediaCentre).

Technical information

Material	
Housing	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber Hydrogenated nitrile butadiene rubber
Front plate	Polyamide, fiber-glass reinforced
Threaded bushing	Brass Die cast zinc, nickel-plated chrome-plated

Dimensions

Dimensions

