2x3/2-directional valve, Series LS04-AF

- Qn = 175-310 l/min
- pipe connection
- Compressed air connection output : Ø 4, Ø 6
- Electrical connection : 2, Plug, Industrial plug connector, 2-pin
- Manual override : with detent
- Pilot : internal



Version	Spool valve, zero overlap
Activation	electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 7 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/m³
Nominal flow Qn	See table below
Protection class acc. to DIN EN 61140,electrically	Class III
Protection class,with connection	IP50
Protective circuit	Z-diode
LED status display	Yellow
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	15 ms
Generic emission standard in accordance with	EN 61000-6-4:2002
Generic immunity standard in accordance with	IEC 61000-6-2:2005
mounting screws	M3
Mounting screw tightening torque	0,5 Nm
Weight	0,064 kg

Technical data

Part No.			MO	Compressed air connection	Compressed air connection
				Input	Output
R422103575		NO/NO		Ø 4	Ø 4
R422103576		NO/NO		Ø 6	Ø 6
R422103583		NC/NC		Ø 4	Ø 4
R422103584		NC/NC		Ø 6	Ø 6
R422103591		NC/NO		Ø 4	Ø 4
R422103592		NC/NO		Ø 6	Ø 6

Part No.	Compressed air connection	Operating voltage	Voltage tolerance	Power consumption	Flow conductance
	Exhaust	DC	DC	DC	b
R422103575	Ø 4	24 V	-10% / +10%	1,3 W	0,4
R422103576	Ø 6	24 V	-10% / +10%	1,3 W	0,25

Part No.	Compressed air connection	Operating voltage	Voltage tolerance	Power consumption	Flow conductance
	Exhaust	DC	DC	DC	b
R422103583	Ø 4	24 V	-10% / +10%	1,3 W	0,4
R422103584	Ø 6	24 V	-10% / +10%	1,3 W	0,3
R422103591	Ø 4	24 V	-10% / +10%	1,3 W	0,4
R422103592	Ø 6	24 V	-10% / +10%	1,3 W	0,25

Part No.	Flow conductance	Nominal flow Qn
	C-value	
R422103575	0,8 l/(s*bar)	175 l/min
R422103576	1,2 l/(s*bar)	250 l/min
R422103583	0,8 l/(s*bar)	180 l/min
R422103584	1,5 l/(s*bar)	310 l/min
R422103591	0,8 l/(s*bar)	175 l/min
R422103592	1,2 l/(s*bar)	250 l/min

Nominal flow Qn at 6 bar and Δp = 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	Polyoxymethylene
Seals	Acrylonitrile butadiene rubber, Hydrogenated nitrile butadiene rubber, Polyurethane

Dimensions

Dimensions

