

Directional valves → Electrically operated

2x3/2-way valve, Series LS04 AF

► Qn = 175 - 310 l/min ► pipe connection ► compressed air connection output: Ø 4 - Ø 6 ► Electr. connection: Plug, Industrial plug connector, 2-pin ► manual override: with detent



00119521

Version	Spool valve, zero overlap
Pilot	internal
Sealing principle	soft sealing
Working pressure min./max.	3 bar / 8 bar
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Protection class according to EN 60529:2000 with electrical connector/plug	IP 50
Protective circuit	Z-diode
Status display LED	Yellow
Duty cycle	100 %
Switch-on time	12 ms
Switch-off time	20 ms
Generic emission standard in accordance with	EN 61000-6-4:2002
Generic immunity standard in accordance with	IEC 61000-6-2:2005
Mounting screw	M3
mounting screw tightening torque	0.5 Nm
Materials:	
Housing	Polyoxymethylene
Seals	Acrylonitrile Butadiene Rubber; Hydrogenated nitrile butadiene rubber; Polyurethane

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Operating voltage	Voltage tolerance	Power consumption
DC	DC	DC
		W
24 V	-10% / +10%	0.7

		MO	Compressed air connection			Operat- ing volt- age	Flow conductance		Flow rate value	Weight	Part No.
			Input	Output	Exhaust	DC	b	C	Qn		
								[l/(s*bar)]	[l/min]	[kg]	
	NO/ NO		Ø 4	Ø 4	Ø 4	24 V	0.4	0.8	175	0.054	R422100575
	NC/NC		Ø 4	Ø 4	Ø 4	24 V	0.4	0.8	180	0.054	R422100583

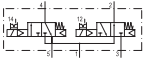
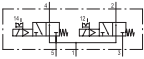
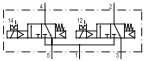
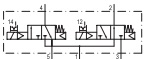
MO = Manual override

Nominal flow Qn at 6 bar and Δp = 1 bar

Directional valves → Electrically operated

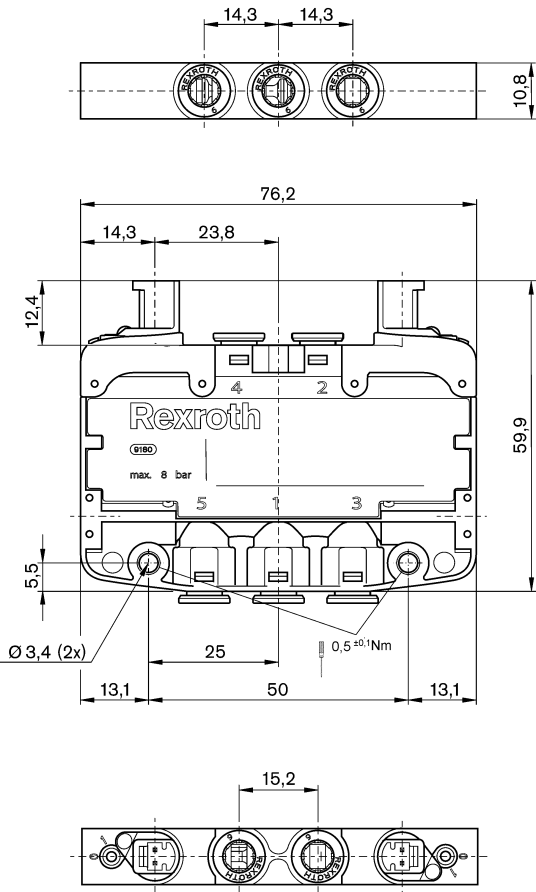
2x3/2-way valve, Series LS04 AF

► Qn = 175 - 310 l/min ► pipe connection ► compressed air connection output: Ø 4 - Ø 6 ► Electr. connection: Plug, Industrial plug connector, 2-pin ► manual override: with detent

		MO	Compressed air connection			Operating voltage	Flow conductance		Flow rate value	Weight	Part No.
			Input	Output	Exhaust		b	C			
								[l/(s*bar)]		[kg]	
	NC/ NO		Ø 4	Ø 4	Ø 4	24 V	0.4	0.8	175	0.054	R422100591
	NO/ NO		Ø 6	Ø 6	Ø 6	24 V	0.25	1.2	250	0.054	R422100576
	NC/NC		Ø 6	Ø 6	Ø 6	24 V	0.3	1.5	310	0.054	R422100584
	NC/ NO		Ø 6	Ø 6	Ø 6	24 V	0.25	1.2	250	0.054	R422100592

MO = Manual override
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions



00119569_a