

Directional valves → Electrically operated

5/2-way valve, Series LS04 AF

► Qn = 180 - 310 l/min ► pipe connection ► compressed air connection output: Ø 4 - Ø 6 ► Electr. connection: Plug, M8, 3-pin ► manual override: with detent



00119570

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
Connector standard	EN 61076-2-101
Protection class according to EN 60529:2000 with electrical connector/plug	IP 65
Protective circuit	Z-diode
Status display LED	Yellow
Duty cycle	100 %
Switch-on time	10 ms
Switch-off time	30 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 voltage	Flow conductance		Flow rate value	Weight	Part No.
		Input	Output	Exhaust	DC	b	C	Qn		
							[l/(s*bar)]	[l/min]	[kg]	
		Ø 4	Ø 4	Ø 4		0.3	0.8	180		R422100565
		Ø 6	Ø 6	Ø 6	24 V	0.27	1.5	310	0.047	R422100566

MO = Manual override

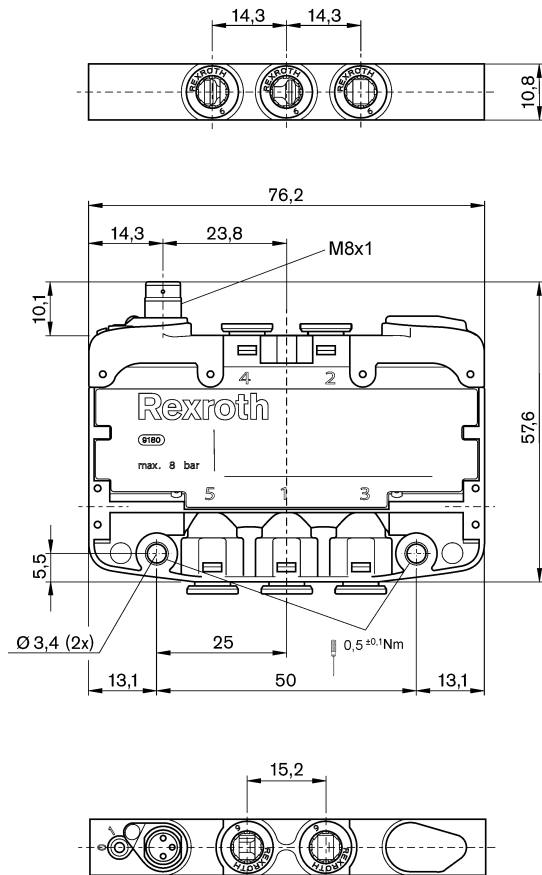
Nominal flow Qn at 6 bar and Δp = 1 bar

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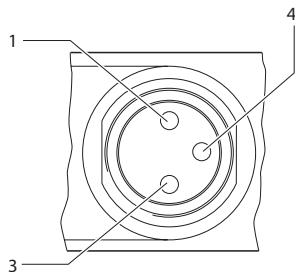
► $Q_n = 180 - 310 \text{ l/min}$ ► pipe connection ► compressed air connection output: $\varnothing 4 - \varnothing 6$ ► Electr. connection: Plug, M8, 3-pin ► manual override: with detent

Dimensions



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PIN assignment for electrical connector



00131780

- 1) Pin not assigned
- 3) 0 V
- 4) 24 V

Note: Bi-polar protective circuit to prevent overvoltage