3/2 directional valve, LS04-AF series

- 2x3/2
- Qn = 175-310 l/min
- NO/NO NC/NC NC/NO
- Pipe connection
- Compressed air connection output : Ø 4 Ø 6
- Electrical connection : 2, Plug, Industrial plug connector, 2-pin
- Manual override : without detent
- Pilot : Internal

Type	Spool valve, positive overlapping
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
				Input
R422103571			NO/NO	Ø 4
R422103572			NO/NO	Ø 6
R422103579			NC/NC	Ø 4
R422103580			NC/NC	Ø 6
R422103587			NC/NO	Ø 4
R422103588			NC/NO	Ø 6

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
R422103571	Ø 4	Ø 4
R422103572	Ø 6	Ø 6
R422103579	Ø 4	Ø 4
R422103580	Ø 6	Ø 6
R422103587	Ø 4	Ø 4
R422103588	Ø 6	Ø 6

Part No.	Operational voltage	Voltage tolerance	Power consumption
	DC	DC	DC
R422103571	24 V	-10% / +10%	1,3 W
R422103572	24 V	-10% / +10%	1,3 W
R422103579	24 V	-10% / +10%	1,3 W
R422103580	24 V	-10% / +10%	1,3 W
R422103587	24 V	-10% / +10%	1,3 W
R422103588	24 V	-10% / +10%	1,3 W

Part No.	Flow conductance	Flow conductance	Nominal flow Qn
	b	C-value	
R422103571	0,4	0,8 l/(s*bar)	175 l/min
R422103572	0,25	1,2 l/(s*bar)	250 l/min
R422103579	0,4	0,8 l/(s*bar)	180 l/min
R422103580	0,3	1,5 l/(s*bar)	310 l/min
R422103587	0,4	0,8 l/(s*bar)	175 l/min
R422103588	0,25	1,2 l/(s*bar)	250 l/min

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

Technical information

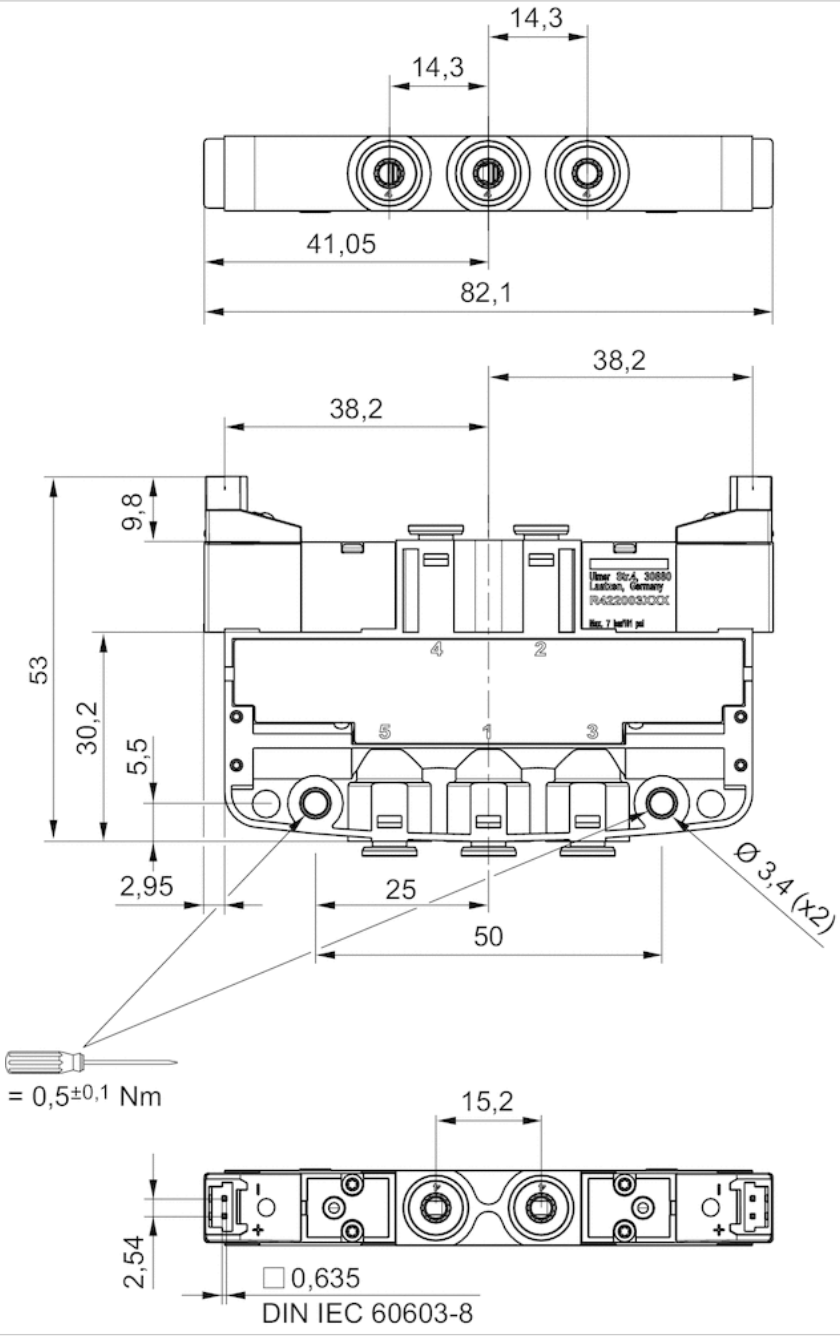
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).
A duty cycle of 100 percent is only valid for single valves.

Technical information

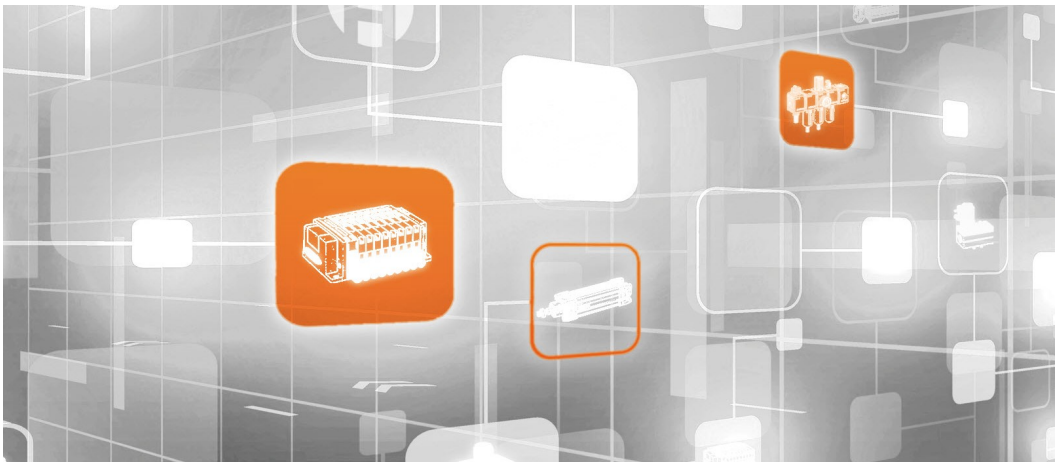
Material	
Housing	Polyoxymethylene
Seals	Acrylonitrile butadiene rubber Hydrogenated nitrile butadiene rubber Polyurethane

Dimensions

dimensions, double solenoid



Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



Visit us: Emerson.com/Aventics

Your local contact: Emerson.com/contactus

Emerson.com

Facebook.com/EmersonAutomationSolutions

LinkedIn.com/company/Emerson-Automation-Solutions

Twitter.com/EMR_Automation

2020-12

EMERSON.

CONSIDER IT SOLVED™