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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 : without detent
- Pilot : internal

Version	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

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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	Operationalvoltage
	Output	Exhaust	DC
R422103571	Ø 4	Ø 4	24 V
R422103572	Ø 6	Ø 6	24 V
R422103579	Ø 4	Ø 4	24 V
R422103580	Ø 6	Ø 6	24 V
R422103587	Ø 4	Ø 4	24 V
R422103588	Ø 6	Ø 6	24 V

Part No.	Voltage tolerance	Power consumption	Flow conductance	Flow conductance
	DC	DC	b	C-value
R422103571	-10% / +10%	1,3 W	0,4	0,8 l/(s*bar)
R422103572	-10% / +10%	1,3 W	0,25	1,2 l/(s*bar)
R422103579	-10% / +10%	1,3 W	0,4	0,8 l/(s*bar)
R422103580	-10% / +10%	1,3 W	0,3	1,5 l/(s*bar)
R422103587	-10% / +10%	1,3 W	0,4	0,8 l/(s*bar)
R422103588	-10% / +10%	1,3 W	0,25	1,2 l/(s*bar)

Part No.	Nominal flow Qn
R422103571	175 l/min
R422103572	250 l/min
R422103579	180 l/min
R422103580	310 l/min
R422103587	175 l/min
R422103588	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).

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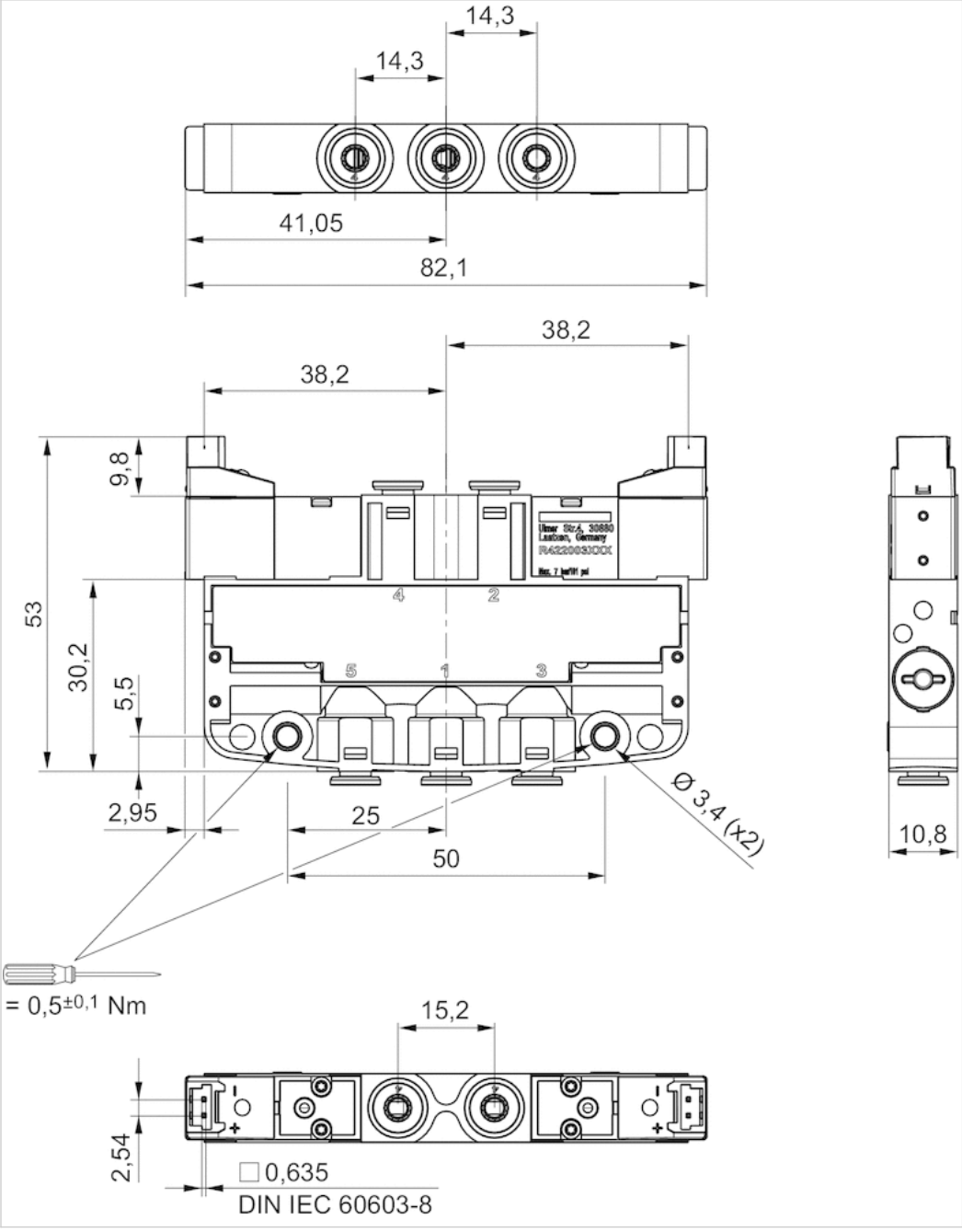
Technical information

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

Dimensions

Dimensions