

Basic logic valves Series 2L

Cartridge Ø 4 mm. or - and - yes - not - memory



Basic logic functions Series 2L are available in 5 different models and can be mounted separately by means of 2 passing holes in the body. Bracket Mod. 2LQ-8A allows to have the inlets and outlets on the front side, facilitating the mounting of the connection tubes.

All models are constructed with the pressure window incorporated, which allows an easy detection of any problems. Moreover the fittings are incorporated into the valve body and are super-rapid ø4. The "NOT" element has an actuating pressure of 0,3 bar.

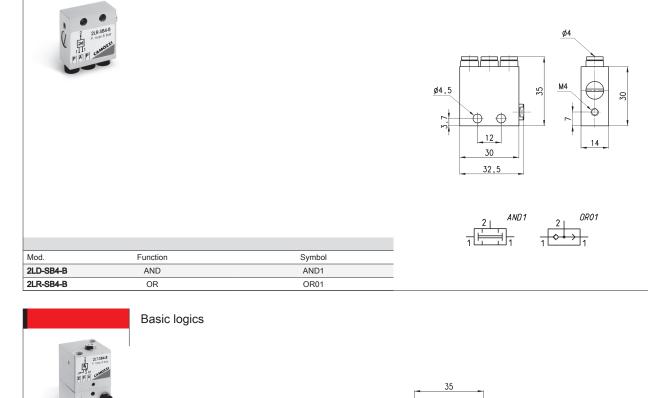
Construction	poppet (spool memory)			
Materials	aluminium body; NBR seals; OT58 brass			
Valve group	automatic valves (logic units)			
Ports	cartridge ø 4			
Operating temperature	0°C ÷ 80°C (-20°C with dry air)			
Operating pressure	2 ÷ 8 bar			
Nominal flowrate	70 NI/min. (6 bar ∆P = 1)			
Fluid	filtered air, without lubricant. If lubricated air is used, it is recommended to use oil ISO VG32. Once applied the lubrication should never be interrupted.			

Basic logics



2

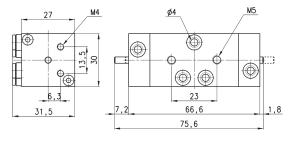
CONTROL

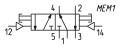


69			7 52,5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Mod.	Function	Symbol	$\begin{array}{c} 2 \\ 12 \end{array} \xrightarrow{YES1} \\ 11 \\ 12 \end{array} \xrightarrow{YES1} \\ 10 \\ 10 \\ 10 \\ 10 \\ 11 \\ 3 \end{array} \xrightarrow{NOT1} \\ 10 \\ 11 \\ 3 \\ 10 \\ 11 \\ 3 \\ 10 \\ 11 \\ 3 \\ 10 \\ 11 \\ 3 \\ 10 \\ 11 \\ 3 \\ 10 \\ 11 \\ 3 \\ 10 \\ 11 \\ 3 \\ 10 \\ 11 \\ 11$
2LS-SB4-B	YES	YES1	
2LT-SB4-B	NOT	NOT1	



Memory



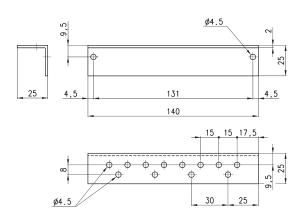


Mod.	Function
2LM-SB4-B	Memory



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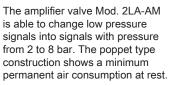
Right-angled bracket



2

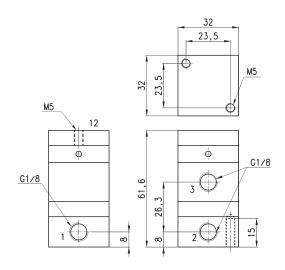
Mod. 2LQ-8A

Pneumatically operated 3/2 NC amplifier valve - G1/8 ports



Mounting: with M5 screws Installation: in any position Fluid: filtered air, without lubricant

Materials: - AL body - NBR seals



Mod.	Working pressure	Min/max operating pressure	Permanent air consumption at rest	Nominal flow (ΔP 1)
2LA-AM	2 bar ÷ 8 bar	0.03 bar / 0.6 bar	3.3 NI/min	120 NI/min



2

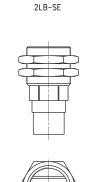
CONTROL

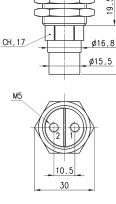
Sender and receiver sensor Series 2L - M5 ports

Materials: aluminium - brass Construction: nozzle without moving parts Threading mounting: M22 x 1 Mounting diameter: 22.5 mm Mounting bracket: B20-25, E20-25 Max air consumption: P 2 bar ≅ 45 Nl/min Fluid: filtered air, without lubricant

Conditions of functioning: the receiver pressure (2LB-SR) has to be lower or equal compared with the sender pressure (2LB-SE)

The receiver nozzle (2LB-SR) is supplied to ensure the self-cleaning. The air jet of the sender (2LB-SE) avoids the free outflow of the air jet from the receiver. A back pressure is thus produced that generates at outlet A a pilot pressure which is sent to the amplifier drive. When an object interrupts the air jet between the two sensors, this signal becomes zero.





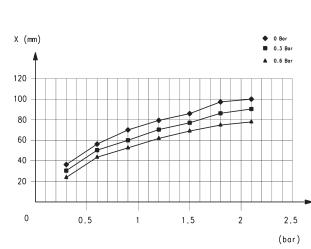
2LB-SR M22×1

CH.26



2LB2

Mod.	Туре	Min. pressure	Max pressure	Temperature	Symbol
2LB-SE	Sender	0.3 bar	2 bar	-20°C ÷ +60°C	2LB1
2LB-SR	Receiver	0.3 bar	0.6 bar	-20°C ÷ +60°C	2LB2



SENDER AND RECEIVER SENSORS SERIES 2L

DISTANCE DIAGRAM between SENDER (2LB-SE) and RECEIVER (2LB-SR) according to the supply pressures

