

Basic logic valves Series 2L

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



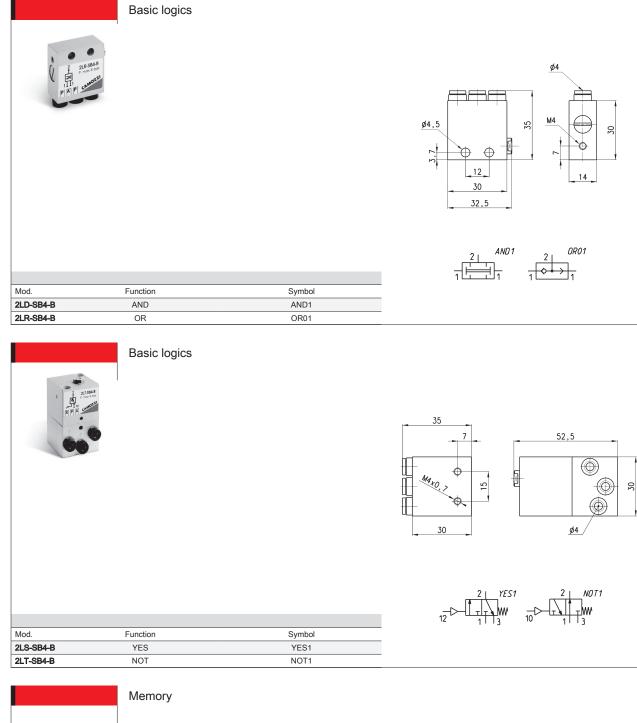
Basic logic functions Series 2L are available in 5 different models and can be mounted separately by means of 2 passing holes in the body. Bracket Mod. 2LQ-8A allows to have the inlets and outlets on the front side, facilitating the mounting of the connection tubes. All models are constructed with the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

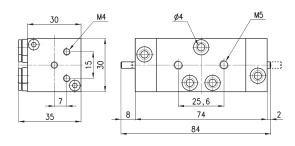


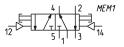
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CONTROL







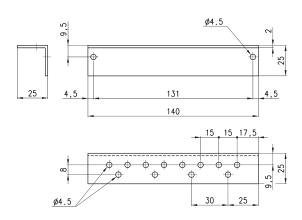


| Mod. | Function |
|-----------|----------|
| 2LM-SB4-B | Memory |



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Right-angled bracket



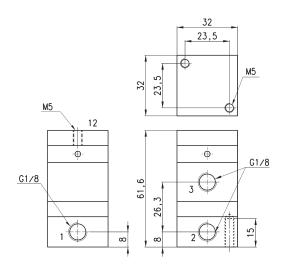
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Pneumatically operated 3/2 NC amplifier valve - G1/8 ports

The amplifier valve Mod. 2LA-AM is able to change low pressure signals into signals with pressure from 2 to 8 bar. The poppet type construction shows a minimum permanent air consumption at rest.

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 Nl/min | 120 NI/min |



2

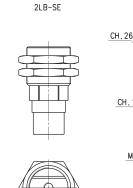
CONTROL

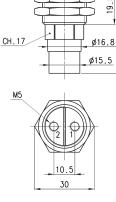
Sender and receiver sensor Series 2L - M5 ports

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.



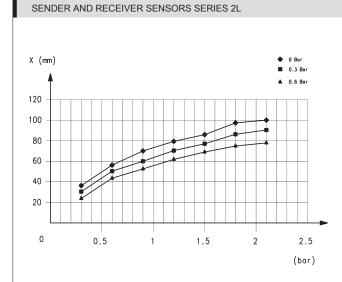


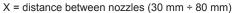
2LB-SR M22×1



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 |





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