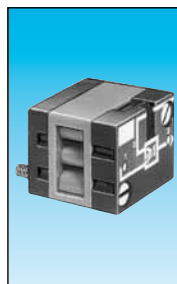


Logic elements

- Performs "combined" Pneumatic
- Easy to use



Also available in **ATEX** version for use in potentially explosive atmospheres in accordance with 94/9/EC Directive



81 521 501

On Sub-base
page 4/14-4/15



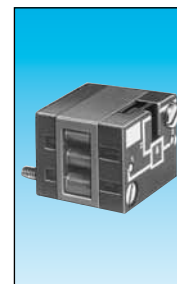
81 540 001

Plug-in
Ø 4



81 540 005

Plug-in
Ø 6

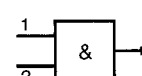
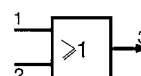


81 522 501

On Sub-base
page 4/14-4/15

Functions	OR	—	—	—	—
	AND	—	—	—	—
	YES	—	—	—	—
	NO	—	—	—	—
Version		On Sub-base page 4/14-4/15	Plug-in Ø 4	Plug-in Ø 6	On Sub-base page 4/14-4/15

Symbol



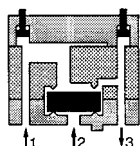
Characteristics

Push-in connection for semi-rigid tubing (NFE 49100)	Male/Female/Female	—	Ø 4 mm	—	—
	Female/Female/Female	—	—	Ø 6 mm	—
Colour		Blue	Blue	Blue	Green
Operating pressure	bar	2 → 8	2 → 8	2 → 8	2 → 8
Orifice diameter	mm	2.7	2.7	4	2.7
Flow at 6 bars	NI/min	170	170	200	170
Pressure indicator		●	—	—	●
Switching time	ms	—	—	—	—
Operating temperature	°C	-5 → +50	-5 → +50	-5 → +50	-5 → +50
Mechanical life	operations	>10 ⁷	>10 ⁷	>10 ⁷	>10 ⁷
Weight	g	25	12	25	25

Pilot/pressure curves

P_p : Pilot pressure
P_a : Supply pressure

Principle of operation

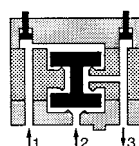


Cellule OR

The output signal "S" is present when a signal at "a" OR "b" is present:

$$S = a \text{ OR } b$$

$$S = a + b$$



Cellule AND

The output signal "S" is present only when signals "a" AND "b" are present simultaneously:

$$S = a \text{ AND } b$$

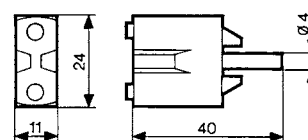
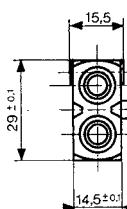
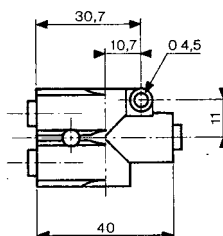
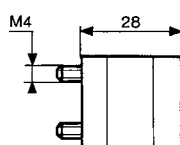
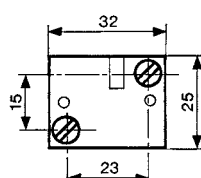
$$S = a \cdot b$$

Dimensions

81 521 501 - 81 522 501

81 540 005 - 81 541 005

81 540 001 - 81 541 001



Other information

See pages 54/55 for mounting plan for logic elements.