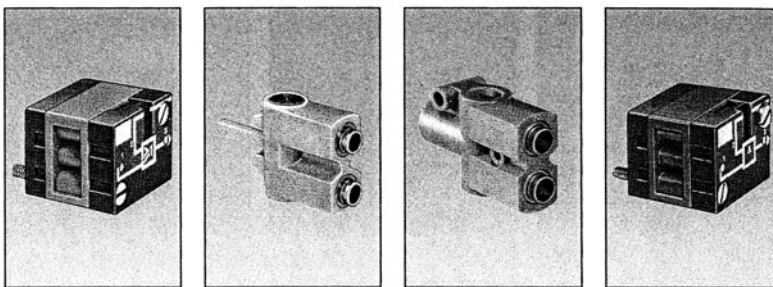


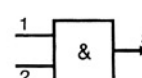
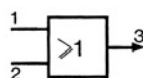
# Logic elements



## Part numbers

		81 521 501	81 540 001	81 540 005	81 522 501
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



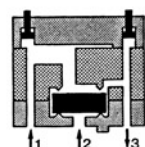
## Characteristics

		81 521 501	81 540 001	81 540 005	81 522 501
Push-in connection for semi-rigid tubing (NFE 49100)	Male/Female/Female Female/Female/Female	—	Ø 4 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 <sup>7</sup>	>10 <sup>7</sup>	>10 <sup>7</sup>	>10 <sup>7</sup>
Weight	g	25	12	25	25

## Pilot/pressure curves

P.p : Pilot pressure  
P.a : Supply pressure

## Principle of operation

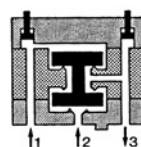


### OR element

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

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

$$S = a + b$$



### AND element

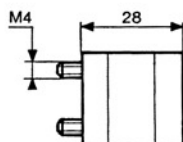
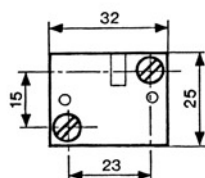
The output signal "S" is present only when signals "a" AND "b" are present simultaneously.

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

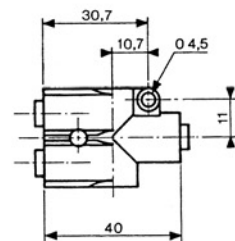
$$S = a \cdot b$$

## Dimensions

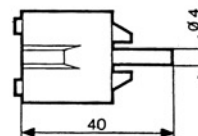
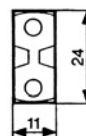
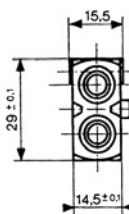
81 521 501 - 81 522 501



81 540 005 - 81 541 005



81 540 001 - 81 541 001



## Other information

See page 4/8 for mounting plan for logic elements.