



Logic elements OU pour tube Ø 4 Part number 81540001



	Type	Code
81540001	OU pour tube Ø 4	81 540 001
81540005	OU pour tube Ø 6	81 540 005
81541001	ET pour tube Ø 4	81 541 001
81541005	ET pour tube Ø 6	81 541 005

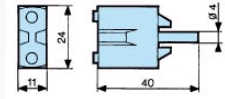
Symbol

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

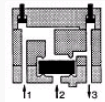
• Création *

<T1>Principle of operation</T1>
<T2>OR element</T2>
The output signal "S" is present when a signal at "a" OR "b" is present
 $S = a \text{ OR } b \text{ } S = a + b$
<T2>AND element</T2>
The output signal "S" is present only when signals "a" AND "b" are present simultaneously.
 $S = a \text{ AND } b \text{ } S = a \cdot b$
<T2>YES element</T2>
The output signal "S" is only present when the pilot is present : $S = a \text{ YES } b \text{ } S = a$
<T2>NOT element</T2>
The output signal "s" is present only if the input signal "a" is NOT present. The output signal is therefore the inverse of the pilot signal.
 $S = \text{NOT } a \text{ } S = \bar{a}$
If the supply port is connected to a 2nd input "b", the function obtained is called Inhibition.
 $S = \text{NOT } a \text{ AND } b \text{ } S = \bar{a} \cdot b$

Dimension Diagram : 81 540 001 - 81 541 001



: OR element



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 $S = a + b$