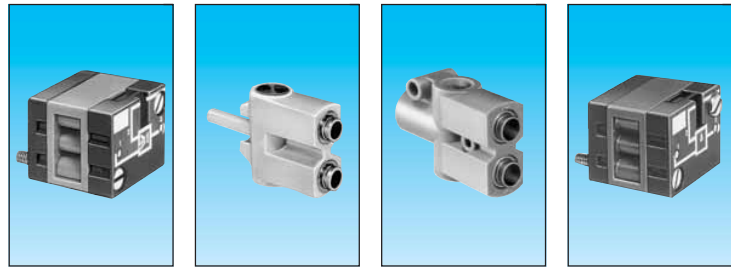


FILE No. C.PN.HOM.00007.FR
 INERIS No. 18408/05

Equipment intended for use in potentially explosive atmospheres conforming to Directive 94/9/EC



Functions	OR	81 521 508	81 540 015	81 540 017	81 522 505
	AND	—	—	—	—
	YES	—	—	—	—
	NO	—	—	—	—
Version		On Sub-base page 36-37	Plug-in Ø 4	Plug-in Ø 6	On Sub-base page 36-37

Classification **CE** II 2 G D c IIB 65°C(T6) X

Symbol



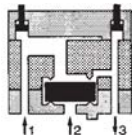
Characteristics

Push-in connection for semi-rigid tubing (NFE 49100)	Male/Female/Female	—	—	—	—
	Female/Female/Female	—	—	—	—
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

Pp : Pilot pressure
 Pa : Supply pressure

Principle of operation

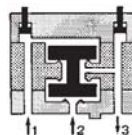


Cellule OR

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

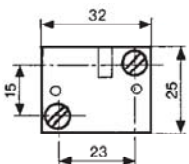
The output signal "S" is present only when signals "a" AND "b" are present simultaneously:

$S = a \text{ AND } b$

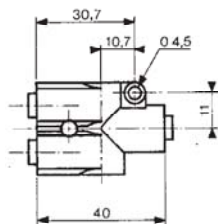
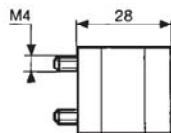
$S = a \cdot b$

Dimensions

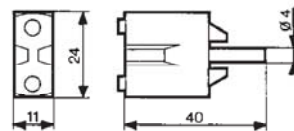
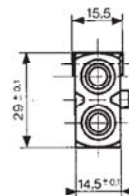
81 521 508 - 81 522 505



81 540 017 - 81 541 017



81 540 015 - 81 541 015



Other information

See page 36-37 for mounting plan for logic elements.

To order an **Ex** product, you must complete the form on page 53.



81 541 0015

Plug-in
Ø 4



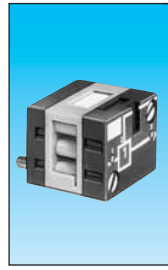
81 541 017

Plug-in
Ø 6



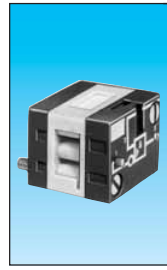
81 501 031

On sub-base
page 36-37



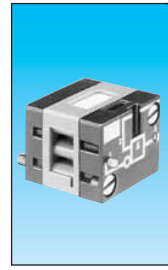
81 503 028

Threshold
On sub-base page
36-37



81 504 035

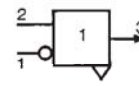
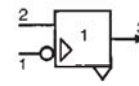
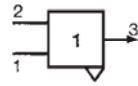
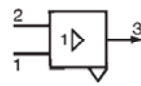
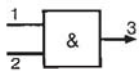
Threshold
On sub-base page
36-37



81 506 027

Threshold
On sub-base page
36-37

CE II 2 G D c IIB 65°C(T6) X



Ø 4 mm

Green
2 • 8
2.7
150
-5 +50
>10⁷
13

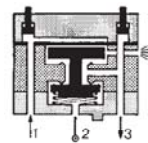
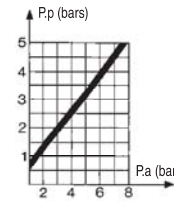
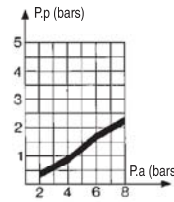
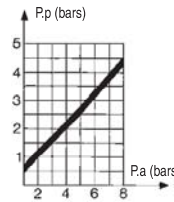
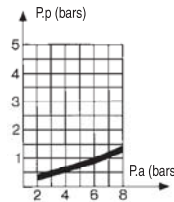
Ø 6 mm
Green
2 • 8
4
200
-5 +50
>10⁷
25

Yellow
2 • 8
2.7
170
< 4
-5 +50
>10⁷
30

Orange
2 • 8
2.7
170
< 4
-5 +50
>10⁷
30

Light grey
2 • 8
2.7
170
< 4
-5 +50
>10⁷
30

Dark grey
2 • 8
2.7
170
< 4
-5 +50
>10⁷
30

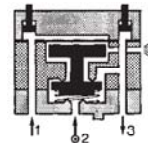


YES element

The output signal "S" is only present when the pilot is present "a" is present:

S = a YES b

S = a



NOT element

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 = NOT a

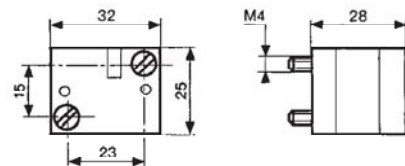
S = \bar{a}

If the supply port is connected to a 2nd input "b", the function obtained is called inhibition:

S = NOT a AND b

S = $\bar{a} \cdot b$

81 501 031 - 81 503 028
81 504 035 - 81 506 027



To order an product, you must complete the form on page 53.