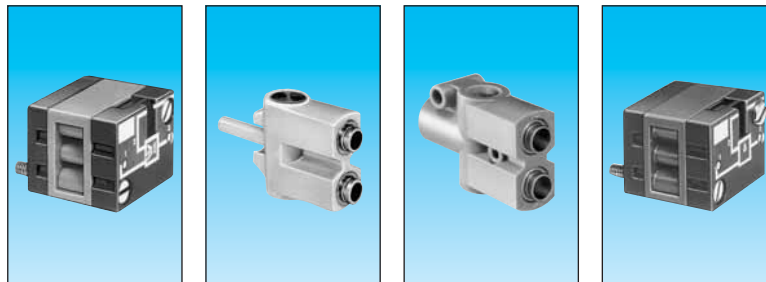


FILE No. C.PN.HOM.00007.FR
 INERIS No. 18408/05

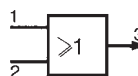
Equipment intended for use in potentially explosive atmospheres conforming to Directive 94/9/EC



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



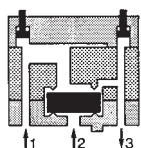
Characteristics

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

Pp : Pilot pressure
 Pa : Supply pressure

Principle of operation

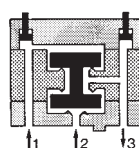


Cellule OR

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:

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

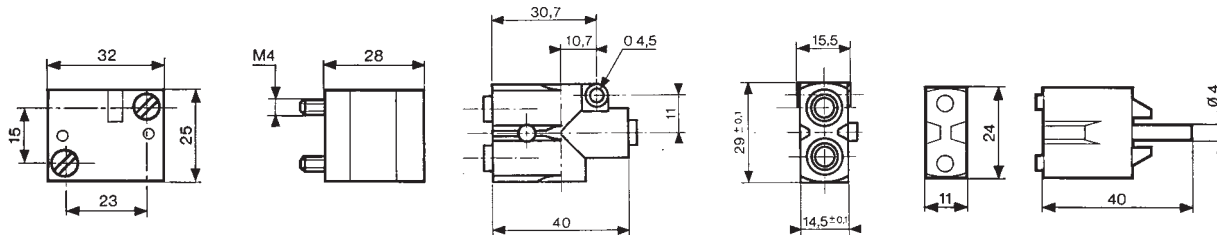
$$S = a \cdot b$$

Dimensions

81 521 508 - 81 522 505

81 540 017 - 81 541 017

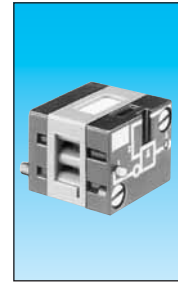
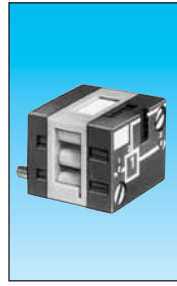
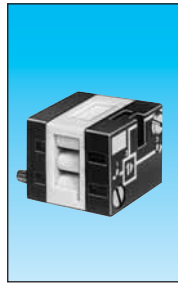
81 540 015 - 81 541 015



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

81 541 017

81 501 031

81 503 028

81 504 035

81 506 027

Plug-in
Ø 4

Plug-in
Ø 6

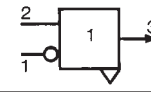
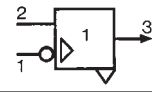
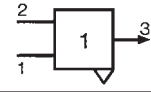
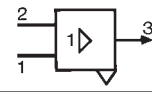
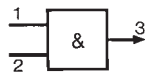
On sub-base
page 36-37

Threshold
On sub-base page
36-37

Threshold
On sub-base page
36-37

Threshold
On sub-base page
36-37

CE II 2 G D c IIB 65°C(T6) X



Ø 4 mm

Ø 6 mm

Yellow

Orange

Light grey

Dark grey

Green

Green

2 • 8

2 • 8

2 • 8

2 • 8

2.7

4

2.7

2.7

2.7

2.7

150

200

170

170

170

170

< 4

< 4

< 4

< 4

< 4

< 4

-5 +50

-5 +50

-5 +50

-5 +50

-5 +50

-5 +50

>10⁷

>10⁷

>10⁷

>10⁷

>10⁷

>10⁷

13

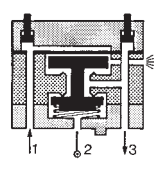
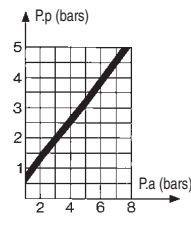
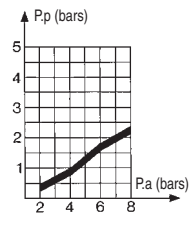
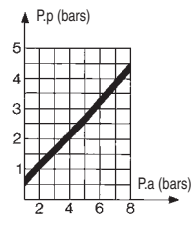
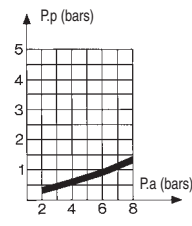
25

30

30

30

30

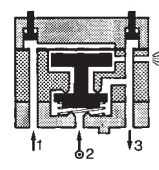


YES element

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

$S = a \text{ YES } b$

$S = a$



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:

$S = \text{NOT } a$

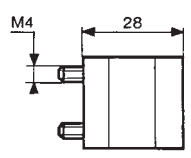
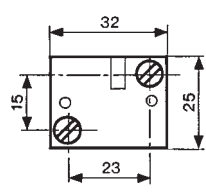
$S = \bar{a}$

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

$S = \text{NOT } a \text{ AND } b$

$S = \bar{a} . b$

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



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

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