

08/2021



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

details needed for main valve

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- type of actuation

details needed for pneumatic actuation

- nominal voltage
- type of protection
- actuation pressure range min/max
- pilot valve type

⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

■ specifications not highlighted are standard
 ■ specifications highlighted in grey are optional

2/2-way valve

pressure range
orifice
connection
function

design

body materials

valve seat

seal materials

ports

function
pressure range

Kv value
vacuum
pressure-vacuum

back pressure
media

abrasive media
damping

flow direction
switching cycles
switching time

media temperature
ambient temperature
flush ports
leak ports
limit switches
manual override
approvals
mounting
weight
additional equipment

nominal voltage

power consumption

protection
energized duty rating
connection
optional additional equipment
max. temperature

explosion proof

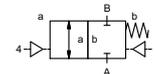
actuation pressure range
air consumption
cycle speed
control
pilot valve interface
actuator ports

actuation pressure range
control
actuator ports
by media

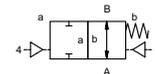
externally controlled

PN 0-40 bar
 DN 8 mm
 thread

valve normally closed
 symbol **NC**



valve normally open
 symbol **NO**



pressure balanced, with spring return

- | | |
|---------|---|
| ① brass | ② |
| ③ | ⑤ |
| ④ | ⑥ |

synthetic resin on metal

NBR, FPM, PE PU, PTFE

general specifications

CFM threads G 3/8

bar NC NO

m³/h 1,6
 leak rate < 10⁻⁶ mbar•L•s⁻¹
 P₁ ↔ P₂

P₂ > P₁ emulsion - oil - neutral gases available (max. 16 bar)
other medias upon request

opening closing
 A ↔ B as marked
 1/min 400
 ms opening 70
 closing 80
 °C direct mounted pilot valve 60 > 60 °C upon request
 °C direct mounted pilot valve 50 > 50 °C upon request

temperature range max 70°C

via pilot valve

kg 0,3 mounting brackets

electrical specifications

U_n DC 24 V special voltage upon request
 U_n AC 230 V 50 Hz special voltage upon request
 DC 4,8 W 2,5 W [actuation pressure range 4-7 bar]

AC pick up 11,0 VA holding 8,5 VA

IP65 (P54) acc. DIN 40050

ED 100%

plug acc. DIN EN 175301-803 form B, 4 positions x90° / wire diameter 6-8 mm

M12x1 connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

media 60°C

ambient 50°C

E Ex e II T5 nominal voltage U_n DC 24 V 3,25 W

power consumption AC 230 V 50 Hz 2,90 W

pneumatic specifications

bar 4-10

cm³/stroke 1,2

via 3/2 way pilot valve

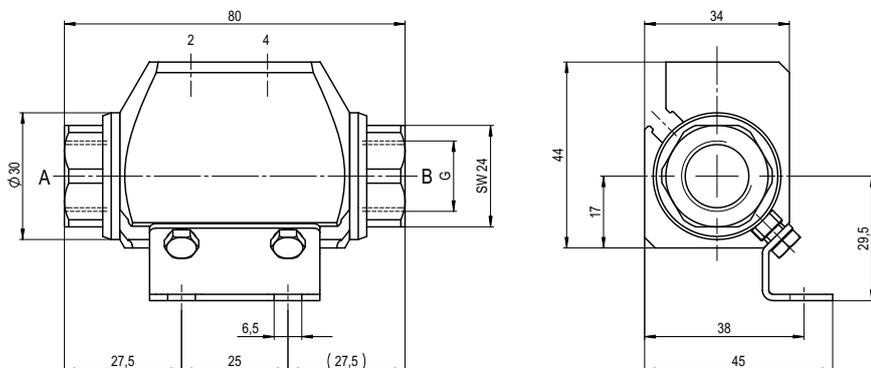
co-ax CNOMO upon request

2/4 G 1/8

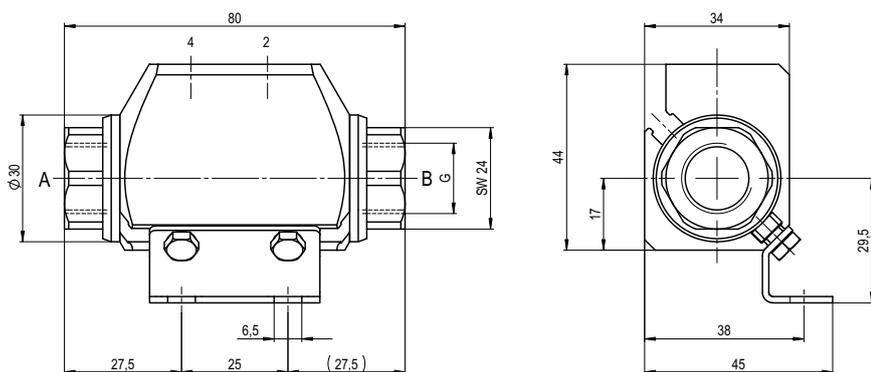
hydraulic specifications

options

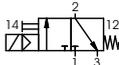
function: **NC**
closed when not energized

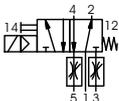


function: **NO**
open when not energized



pneumatic actuation (5/2 separately)

 3/2-way pilot valve
flow rate 60 l/min
pressure range 3-10 bar

 5/2-way pilot valve
flow rate 700 l/min
pressure range 3-10 bar G 1/8