



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/ $\Delta p$
- 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**

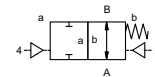
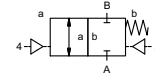
**nominal voltage**  
**power consumption**  
**protection**  
**energized duty rating**  
**connection**  
**optional additional equipment**  
**max. temperature**

**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** 0-500 bar  
**DN** 10 mm  
**thread**  
**valve**  
 normally closed  
 symbol **NC**  
 valve  
 normally open  
 symbol **NO**



**pressure balanced, with spring return**  
 ① brass  
 ②  
 ③  
 ④  
 ⑤  
 ⑥ stainless steel

**synthetic resin on metal**  
**NBR** PTFE, FPM, CR, EPDM

**general specifications**

**options**

PCD-H threads G 3/8  
 NC NO  
 bar 0-500  
 m<sup>3</sup>/h 1,5  
 leak rate  
 P<sub>1</sub> ↔ P<sub>2</sub>  
 P<sub>2</sub> > P<sub>1</sub> gaseous - liquid  
 opening  
 closing  
 A ↔ B as marked  
 1/min 130  
 ms opening 30-3000  
 closing 30-3000  
 °C direct mounted pilot valve 60 remote mounted pilot valve outside  
 °C direct mounted pilot valve 50 temperatur range of media max. 150 °C  
 inductive  
 via pilot valve  
 kg 9,0

**electrical specifications**

**options**

U<sub>n</sub> DC 24 V special voltage upon request  
 U<sub>n</sub> 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<sub>n</sub> DC 24 V 3,25 W  
 power consumption AC 230 V 50 Hz 2,90 W

**pneumatic specifications**

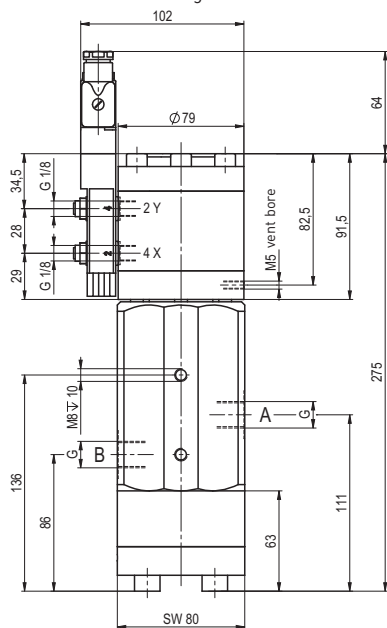
**options**

bar 4-10  
 cm<sup>3</sup>/stroke 7  
 main valve speed variable by throttle on pilot valve  
 preferably 5/2 way pilot valve  
 2/4 G 1/8

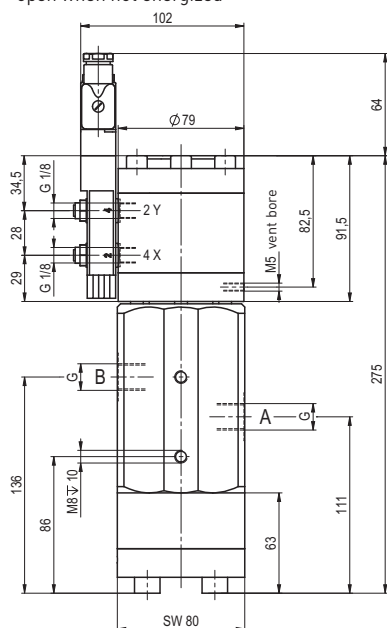
**hydraulic specifications**

**options**

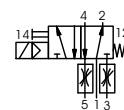
function: **NC**  
closed when not energized



function: **NO**  
open when not energized



**pneumatic specifications**



5/2 way pilot valve  
flow rate 350 l/min  
pressure range 3-10 bar G 1/8