

03/2022



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

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

⚠ 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. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

specifications not highlighted are standard
 specifications highlighted in grey are optional

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-130 bar

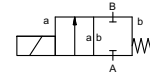
DN 2/4/6 mm

thread

valve

normally closed

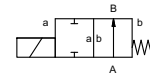
symbol **NC**



valve

normally open

symbol **NO**



operating principle

direct acting, with spring return

body material

⊕ stainless steel

valve seat

synthetic materials on metal

seal materials

NBR, PTFE

FPM, EPDM

ports

A45 threads G 3/8

function

NC

NO

pressure range

| | | |
|-----|---------------|---------------|
| bar | 10 40 130 | 10 60 130 |
|-----|---------------|---------------|

| | | |
|----|-----------|-----------|
| DN | 6 4 2 | 6 4 2 |
|----|-----------|-----------|

| | | |
|-------|-----------------|-----------------|
| l/min | 9,8 5,3 1,3 | 9,8 5,3 1,3 |
|-------|-----------------|-----------------|

Kv value

vacuum

leak rate < 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ↔ P₂ upon request

back pressure

P₂ > P₁ gaseous - liquid

abrasive media

damping

opening

closing

flow direction

A ↔ B as marked

switching cycles

1/min 200

switching time

| | |
|----|------------|
| ms | opening 20 |
| | closing 45 |

media temperature

| | | |
|----|----------------|----------------------|
| °C | DC: -10 to +80 | > 80 °C upon request |
| | AC: -10 to +80 | > 80 °C upon request |

ambient temperature

| | |
|----|-----------------|
| °C | DC: -10 bis +80 |
| | AC: -10 bis +80 |

limit switches

manual override

approvals

mounting

weight

kg 1,2

additional equipment

WAZ

mounting brackets

upon request

electrical specifications

U_n DC 24 V +5%/-10%

U_n AC 230 V +5%/-10% 40-60 Hz

DC direct-current magnet

AC direct-current magnet with integrated rectifier above 100 °C with separate rectifier

options

special voltage upon request

special voltage upon request

nominal voltage

actuation

insulating rating

H 180°C

protection

IP65

energized duty rating

ED 100%

connection

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

optional

additional equipment

M12x1 connector acc. DESINA

connector acc. VDMA

current consumption

illuminated plug with varistor

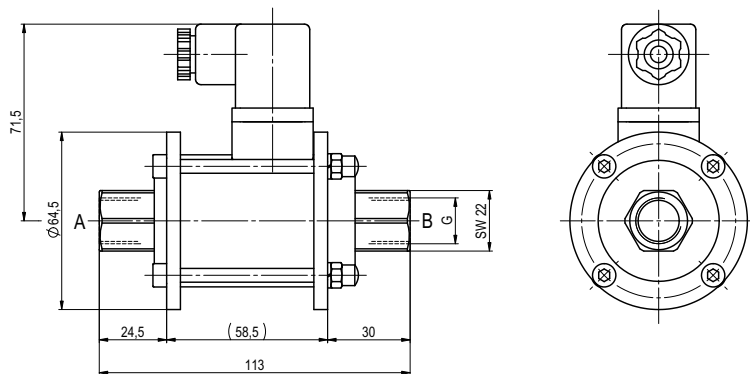
DC 24 V 1,30 A

AC 230 V 40-60 Hz 0,17 A

explosion proof

limit switches

function: **NC**
closed when not energized



function: **NO**
open when not energized

