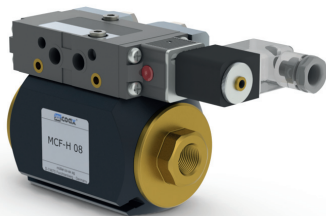


08/2021



! 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 0-160 bar

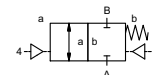
DN 8 mm

thread

valve

normally closed

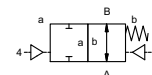
symbol **NC**



valve

normally open

symbol **NO**



pressure balanced, with spring return

① brass

②

③

⑤

④

⑥

synthetic resin on metal

NBR, FPM, PTFE

general specifications

options

MCF-H threads G 3/8

bar

NC

NO

m³/h

leak rate

P₁ ⇄ P₂

P₂ > P₁

emulsion - oil - neutral gases

< 10⁻⁶ mbar•L•s⁻¹

pressure side max. 160 bar

vacuum side leak rate upon request

available (max. 16 bar)

other medias upon request

opening

closing by throttles on pilot valve

A ⇄ B as marked

1/min 600

ms

opening 30-3000

closing 30-3000

°C direct mounted pilot valve 60

°C direct mounted pilot valve 50

> 60 °C upon request

> 50 °C upon request

temperature range max 70°C

via pilot valve

mounting brackets

kg 1,6

electrical specifications

options

U_n DC 24 V

U_n AC 230 V 50 Hz

DC 4,8 W

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

power consumption

DC 24 V 3,25 W

AC 230 V 50 Hz 2,90 W

pneumatic specifications

options

bar 4-10

cm³/stroke 4,5

main valve speed variable by throttles on pilot valve

preferably 5/2 way pilot valve

NAMUR acc. VDI / VDE 3845

2/4 G 1/8

3-10 upon request

ISO 1 acc. DIN 5599/1

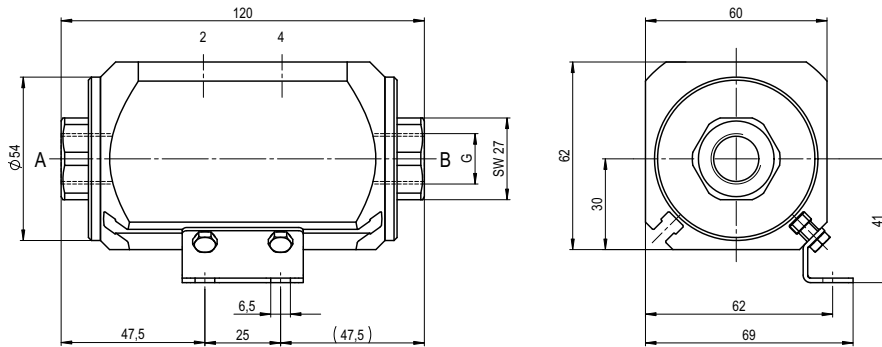
hydraulic specifications

options

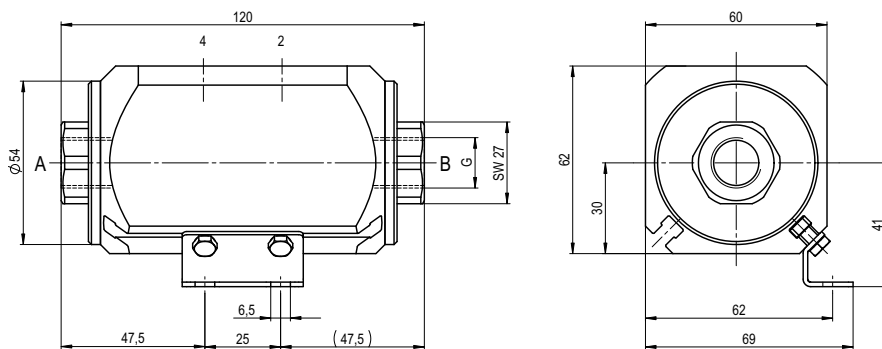
coax® data sheet - coaxial valve

type MCF-H 08

function: **NC**
closed when not energized



function: **NO**
open when not energized



pneumatic specifications

