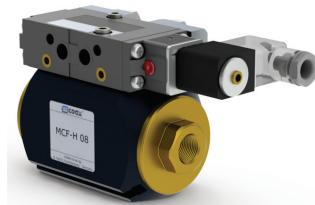


coaxial valve

type MCF-H 08

5-MCF-H 08

valve type with pilot valve



2/2 way valve externally controlled

pressure range PN 0-160 bar

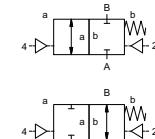
orifice DN 8 mm

connection thread

function valve

normally closed symbol NC

valve normally open symbol NO



design pressure balanced, with spring return

body materials

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

valve seat synthetic resin on metal

seal materials NBR, FPM, PTFE

general specifications

options

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
- low wattage coil, actuation pressure range 4-7 bar
- pilot valve type

ports MCF-H threads G 3/8

function NC NO

pressure range bar 0-160

Kv value m³/h 1,2

vacuum leak rate < 10⁻⁶ mbar·l·s⁻¹

pressure-vacuum P₁ ↔ P₂ pressure side max. 160 bar

back pressure P₂ > P₁ vacuum side leak rate upon request

media emulsions - oils - neutral gases available (max. 16 bar)

other medias upon request

abrasive media opening

damping closing by throttles on pilot valve

flow direction A → B as marked

switching cycles 1/min 600

switching time ms opening 30-3000 closing 30-3000

media temperature °C direct mounted pilot valve 60 > 60 °C upon request

ambient temperature °C direct mounted pilot valve 50 > 50 °C upon request

flush ports

leak ports

limit switches

manual override via pilot valve

approvals

mounting

weight kg 1,6

temperature range max 70 °C

mounting brackets

additional equipment

electrical specifications

options

nominal voltage 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

AC pick up 11.0 VA holding 8.5 VA

protection IP65 (P54) acc. DIN 40050

energized duty rating ED 100%

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

optional M12x1 connector acc. DESINA connector acc. VDMA

additional equipment illuminated plug with varistor

max. temperature media 60°C

ambient 50°C

explosion proof 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

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

DC 24 V

AC 230 V 50 Hz

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

connector acc. DESINA connector acc. VDMA

illuminated plug with varistor

60°C

50°C

3.25 W

2.90 W

special voltage upon request

special voltage upon request

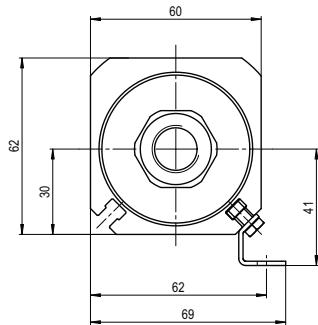
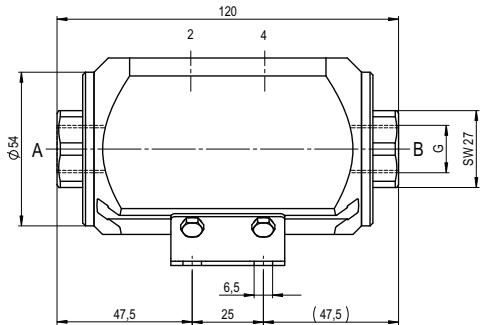
2.5 W

100%

4 positions x90° / wire diameter 6-8 mm

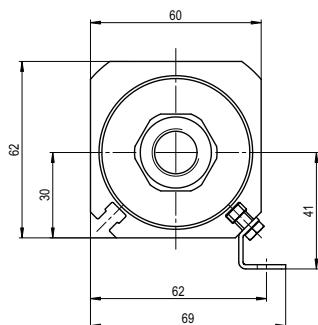
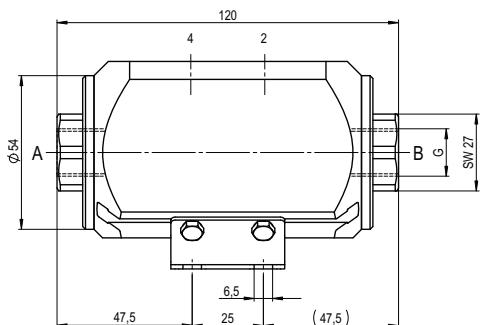
type MCF-H 08

function: **NC**
closed when not energized



type MCF-H 08

function: **NO**
open when not energized



pneumatic actuation

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

5/2 way pilot valve ISO 1
flow rate 700 l/min
pressure range 3-10 bar G 1/4