

valve manifold

type MCF 08

5-MCF 08

valve type with pilot valve



2/2 way valve externally controlled

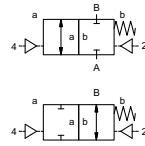
pressure range PN 0-100 bar

orifice DN 8 mm

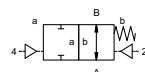
connection thread

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

version 2-fold, 3-fold, 4-fold, 5-fold

ports MCF threads G 3/8

function NC

NO

pressure range bar 0-100

Kv value m³/h 1,6

vacuum leak rate < 10⁻⁶ mbar·l·s⁻¹

pressure-vacuum P₁ ↔ P₂

pressure side max. 100 bar

back pressure P₂ > P₁

vacuum side leak rate upon request

media emulsions - oils - neutral gases

available (max. 16 bar)

abrasive media other medias upon request

damping

opening

closing by throttles on pilot valve

A ≈ B as marked

flow direction 1/min 600

switching cycles 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

approvals

mounting

weight kg 2-fold 3,2 / 3-fold 4,8 / 4-fold 6,3 / 5-fold 7,9

temperature range max 70°C

electrical specifications

options

nominal voltage U_n DC 24V

special voltage upon request

U_n AC 230V 40-60 Hz

special voltage upon request

DC 4,8 W

2,5 W

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

protection IP 65 (P54) acc. DIN 40 050

energized duty rating ED 100%

connection plug acc. DIN EN 175301-803 form B, 4 positions x 90° / wire diameter 6-8 mm

additional equipment illuminated plug with varistor

optional M12x1 connector acc. DESINA

connector acc. VDMA

max. temperature media 60°C

ambient 50°C

explosion proof EEx m II T5 nominal voltage U_n

direct current 24 V 3,25 W

power consumption

alternating current 230 V 50 Hz 2,90 W

actuation pressure range bar 4-10

3-10 upon request

air consumption cm³/stroke 4,5

cycle speed main valve speed variable by throttles on pilot valve

control preferably 5/2-way pilot valve

pilot valve interface co-ax

NAMUR VDI / VDE 3845

actuator ports 2/4 G 1/8

pneumatic specifications

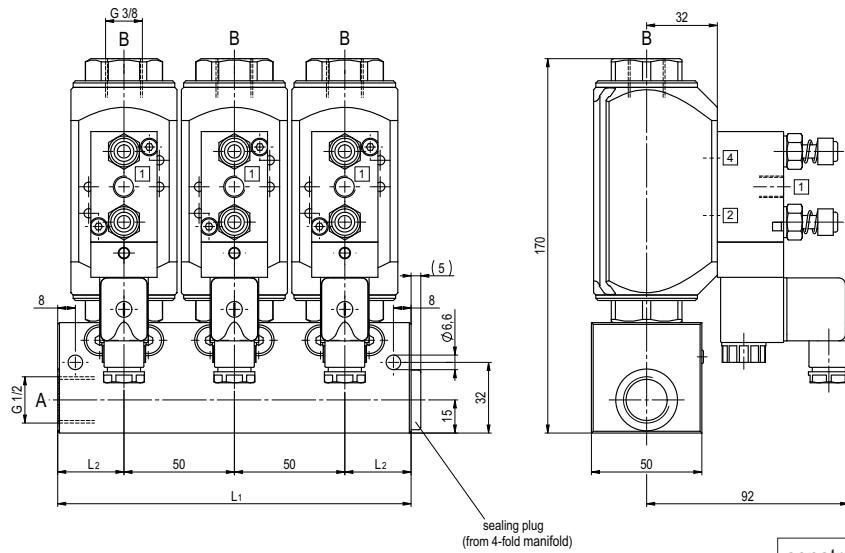
options

■ specifications not highlighted are standard

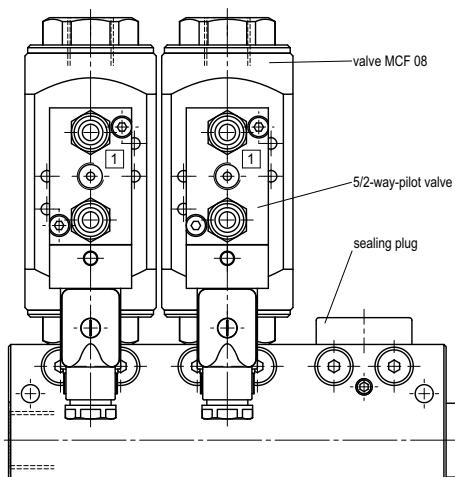
■ specifications highlighted in grey are optional

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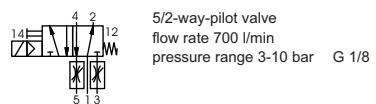
function: NC
closed when not energized



constructive length	L ₁	L ₂
2-fold	110	30
3-fold	160	30
4-fold	210	30
5-fold	260	30



pneumatic actuation



The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements.

Rights reserved to make technical alterations

• Not responsible for printing errors

• Detailed drawings can be obtained upon request