

# coax® data sheet - coaxial valve

type MK 20 DVGW  
FK 20 DVGW



08/2021



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

## details needed

- orifice
- port
- function NC
- 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.

## 2/2-way valve

### pressure range

### orifice

### connection

### function

## direct acting

PN 0-40 bar

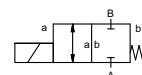
DN 20 mm

thread/flange

valve

normally closed

symbol **NC**



## design

### body materials

pressure balanced, with spring return

⊙ DVGW (steel, nickel plated)

### valve seat

synthetic resin on metal

### seal materials

FPM, PTFE

## 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

### limit switches

### manual override

### approvals

### mounting

### weight

### additional equipment

## general specifications

MK threads G 3/4 - G 1 1/4

FK flanges PN 40

NC

bar 0-40

m<sup>3</sup>/h 8,4

leak rate

P<sub>1</sub> ↔ P<sub>2</sub>

P<sub>2</sub> > P<sub>1</sub>

combustible gases according G 260

opening

closing

A ↔ B as marked

1/min 150

ms

opening 110

closing 110

°C

DC: -15 to +80

AC: -15 to +80

°C

DC: -15 to +80

AC: -15 to +80

## options

### inductive

available

DVGW DIN EN 16678:2016 + DIN EN 13611:2011

### mounting brackets

kg MK 5,5 FK 7,5

## electrical specifications

U<sub>n</sub> DC 24 V +5%/-10%

U<sub>n</sub> AC 230 V +5%/-10% 40-60 Hz

DC direct-current magnet

AC direct-current magnet with integrated rectifier

## options

### special voltage

special voltage

H 180°C

IP65

ED

100%  
plug acc. DIN EN 175301-803 form A, 4 terminal box M16x1,5  
positions x90° / wire diameter 6-8 mm

illuminated plug with varistor

N-coil

H-coil DC 24 V 2,64 A  
AC 230 V 40-60 Hz 0,30 A

E Ex e II T4 nominal voltage U<sub>n</sub> V-DC 24 48 98 110 200 220

nominal current I<sub>n</sub> A 1,34 0,68 0,32 0,28 0,17 0,14

media temperature °C -15 to +40

ambient temperature °C -15 to +40

AC connection with separate rectifier

inductive [B] normally open-PNP

Namur circuit amplifier

### nominal voltage

### actuation

### insulating rating

### protection

### energized duty rating

### connection

### optional

### additional equipment

### current consumption

### explosion proof [0-16 bar]

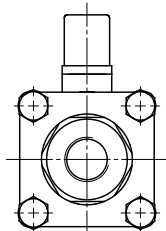
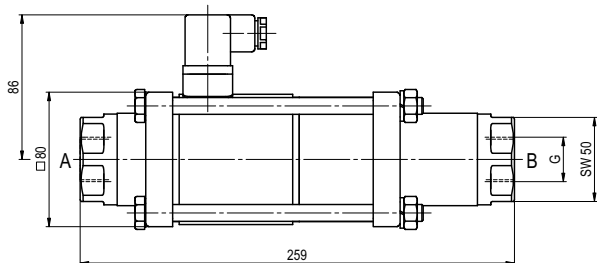
### limit switches

■ specifications not highlighted are standard  
■ specifications highlighted in grey are optional

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function: **NC**  
closed when not energized



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