coaxial valve

**type MK 10**

<table>
<thead>
<tr>
<th>2/2 way valve function</th>
<th>pressure range PN 0-40 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>orifice connection</td>
<td>DN 10 mm</td>
</tr>
<tr>
<td>thread valve</td>
<td>normally closed symbol NC</td>
</tr>
<tr>
<td></td>
<td>normally open symbol NO</td>
</tr>
</tbody>
</table>

**design**
- pressure balanced, with spring return

**Body materials**
- brass
- brass, nickel plated
- stainless steel
- aluminium

**Valve seat seal materials**
- synthetic resin on metal
- NBR
- FPM, CR, EPDM

**general specifications**
- ports MK threads G 1/4 - G 3/4
- function pressure range bar 0-16 / 0-40
- Kᵥ value vacuum m³/h 2.5
- back pressure media vacuum
- leak rate e<10⁻¹³ mbar l⁻¹

**Vacuum back pressure media**
- P<sub>2</sub> upon request
- P> P<sub>1</sub> available (max. 16 bar)

**Media**
- gaseous - liquid - contaminated

**Abrasives media damping**
- opening as marked
- closing bi-directional (max. 16 bar)

**Flow direction switching cycles**
- switching time 1mm 200 ms

**Temperature media**
- T<sub>C</sub> DC: -10 to +100
- AC: -10 to +100

**Ambient temperature**
- T<sub>C</sub> DC: -30 to +120
- AC: -30 to +120

**Limit switches manual override approvals mounting weight**
- 1kg MK 1.5

**Additional equipment**
- opening
- closing

**Electrical specifications**
- nominal voltage
  - U<sub>1</sub> DC 24 V
  - U<sub>2</sub> AC 230 V 40-60 Hz
- actuation
  - DC directed-current magnet
  - AC directed-current magnet with integrated rectifier
- insulating rating energized duty rating connection H 180°C
- R<sub>95</sub> 100%
- protection terminal box M16x1,5
- optioned M12x1 connector acc. DESINA
- N-coil DC 24 V 1.00 A
- H-coil AC 230 V 40-60 Hz 0.13 A

**Explosion proof**
- DC 24 V 1.29 A
- AC 230 V 40-60 Hz 0.16 A

**Limit switches**
- Inductive (B)
- Normally open-PNP

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**Notes**
- 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.

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**Specifications highlights**
- Standard specifications are not highlighted.
- Options highlighted in grey are optional.
**type** MK 10

**function:** NC

closed when not energized

**type** MK 10

**function:** NO

open when not energized