## Coaxial Valve FK 65 DR

### Technical Details

**3/2 Way Valve**
- **Pressure Range**: PN 0-16 bar
- **Orifice**: DN 65 mm
- **Function**: Direct Acting, normally closed (A → B) symbol NC; normally open (A → B) symbol NO

### Materials
- **Body Materials**
  - Pressure balanced, with spring return, switching overlap
  - Aluminium (1), Steel, galvanized (2), Stainless steel (3)
  - Steel, nickel plated (4), Synthetic resin on metal (NBR)
- **Seal Materials**
  - PTFE, FPM, EPDM

### Specifications

<table>
<thead>
<tr>
<th>Ports</th>
<th>Function</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>FK</td>
<td>NC</td>
<td>0-16 bar</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>

- **Kv Value**: 40.0
- **Pressure-Vacuum Media**
  - See pressure range
- **Abrasive Media Damping**: Upon request
- **Flow Direction**: See pressure range
- **Switching Time**: 1 min. 20
- **Media Temperature**
  - Switching: DC: -20 to +80 AC: -20 to +80
  - Ambient: DC: -20 to +80 AC: -20 to +80
- **Limit Switches**
  - Manual Override: Inductive
  - Approvals: UL/DLWAZ
- **Weight**: Kg FK 47.6

### Electrical Specifications

- **Nominal Voltage**: U1, DC 24 V; AC 230 V 40-60 Hz
- **Actuation**: Direct-current magnet with integrated rectifier
- **Insulating Rating**
  - H: 180°C
  - IP65: 100%
- **Protection**
  - Plug acc. DIN EN 176301-803
  - Form A, 4 positions x90° / wire diameter 6-8 mm
- **Optional Additional Equipment**
  - Current Consumption: Illuminated (plug with variable)
    - R-coil: DC 24 V 4.40 A
    - H-coil: AC 230 V 40-60 Hz 0.65 A
- **Explosion Proof**: AC 230 V 40-60 Hz 0.79 A

### Limit Switches
- Inductive (I)
- Normally Open-PNP (N)

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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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**type FK 65 DR**

function: **NC**

closed when not energized (A ➔ B)

<table>
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<th>ØD</th>
<th>Øk</th>
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</table>

**type FK 65 DR**

function: **NO**

open when not energized (A ➔ B)