coaxial valve
type MK 15 DR
FK 15 DR

3/2 way valve
direct acting
pressure range
PN 0-40 bar
orifice
DN 15 mm
connection
thread/flange
function
valve normally closed (A ➔ B)
symbol NC
valve normally open (A ➔ B)
symbol NO
development
pressure balanced, with spring return, switching overlap
body materials
(1) brass
(2) steel, galvanized
(3) brass, nickel plated
(4) without non-ferr. metals
(5) steel, nickel plated
(6) stainless steel
valve seat
synthetic resin on metal
seal materials
NBR, PTFE, FPM, CR, EPDM
general specifications
ports
MK threads G 3/8 - G 3/4
FK flanges PN 16 / 40
function
NC
pressure range
Bar 0-16 / 0-40
orifice size
A ➔ B max. 40 / B ➔ A max. 16 / A ➔ C max. 40 / C ➔ A max. 40
Kv value
m³/h 4,3
back pressure
vacuum
pressure-vacuum back pressure
media
(1) gaseous - liquid - highly viscous - gelatinous - contaminated
(2) upon request
abrasive media
damping
opening closing
flow direction
see pressure range
switching cycles
1/min 200
switching time
ms opening 80 closing 80
ambient temperature
°C DC: -20 to +80
AC: -20 to +80
limit switches
inductive / mech. (depend. on temperature)
mounting brackets
additional equipment
weight
kg MK 4,3 FK 5,9
nominal voltage
options
DC 24 V special voltage upon request
AC 230 V 40-60 Hz special voltage upon request
actuation
direct-current magnet
with integrated rectifier
insulating rating
H 180°C
energized duty rating protection connection
IP65 100%
optionally required connection
plug acc. DIN EN 175301-803
ED terminal box M16x1,5
M12x1 connector acc. DESINA
R-coil DC 24 V 1,60 A
H-coil AC 230 V 40-60 Hz 0.15 A
explosion proof
DC 24 V 2,30 A
AC 230 V 40-60 Hz 0.24 A
limit switches
inductive (I)
normally open-PNP
inductive (B)
normally open-PNP
mechanical single pole double throw-SPDT
additional equipment
N-coil DC 24 V 1,60 A
AC 230 V 40-60 Hz 0.15 A
H-coil DC 24 V 2,30 A
AC 230 V 40-60 Hz 0.24 A

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

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.

specifications not highlighted are standard
specifications highlighted in grey are optional
type **MK 15 DR**

function: **NC**
closed when not energized (A ▾ B)

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<table>
<thead>
<tr>
<th>constructive length</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
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<tbody>
<tr>
<td>standard</td>
<td>209</td>
<td>133</td>
<td>265</td>
</tr>
<tr>
<td>with 1/2 inductive limit switches</td>
<td>249</td>
<td>173</td>
<td>305</td>
</tr>
<tr>
<td>with manual emergency (Hd) Hd and 1/2 ind. limit switches</td>
<td>249</td>
<td>173</td>
<td>305</td>
</tr>
<tr>
<td>with mechanical limit switches</td>
<td>249</td>
<td>173</td>
<td>305</td>
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<table>
<thead>
<tr>
<th>flanges PN</th>
<th>DIN</th>
<th>ØD</th>
<th>Øk</th>
<th>Ød</th>
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<tbody>
<tr>
<td>16</td>
<td>EN 1092-1</td>
<td>95</td>
<td>65</td>
<td>14</td>
</tr>
<tr>
<td>40</td>
<td>EN 1092-1</td>
<td>95</td>
<td>65</td>
<td>14</td>
</tr>
</tbody>
</table>

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**type FK 15 DR**

function: **NO**
open when not energized (A ▾ B)