

## coaxial valve

## type **MK 10 DR** - 40 bar MK 10 DR - 100 bar



3/2 way valve direct acting

pressure range PN 0-40 / 0-100 bar

orifice DN 10 / 8 mm

connection thread

function valve

normally closed (A ►B)

symbol NC

normally open (A ►B)

symbol NO





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

pressure balanced, with spring return, switching overlap

1) brass

2

(3) 4 (5) 6 stainless steel

0

valve seat synthetic resin on metal

seal materials

body materials

PTFE, FPM, EPDM

## details needed

- orifice
- port
- function NC/NO
- operating pressure
- inlet pressure at A, B or C
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

pressure range pressure-vacuum back pressure abrasive media flow direction switching cycles switching time media temperature ambient temperature limit switches manual override additional equipment

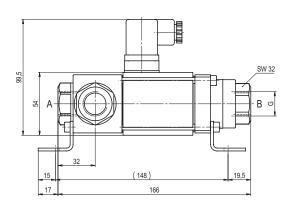
general specifications options ports threads G 1/4 - G 3/4 special threads NO function 0-40 0-100 A ⇒ B max. 40|100 / B ⇒ A max. 25|75 / A ⇒ C max. 40|100 / C ⇒ A max. 25|75 Kv value m³/h < 10<sup>-4</sup> mbar•l•s<sup>-1</sup> vacuum leak rate upon request P<sub>2</sub> > P<sub>1</sub> see pressure range gaseous - liquid - contaminated media damping opening closing see pressure range 1/min 200 opening 135 closing 20 DC: -10 to +80 AC: -10 to +80 -30 to +120 °C DC: -10 to +80 AC: -10 to +80 LR/GL/WAZ approvals mounting mounting brackets MK 2.5 weight upon request

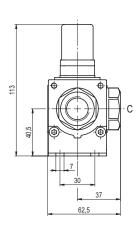
The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

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.

electrical specifications  nominal voltage Un DC 24 V special voltage upon request Un AC 230 V 40-60 Hz special voltage upon request DC direct-current magnet direct-current magnet with integrated rectifier  insulating rating protection nergized duty rating connection  optional diditional equipment current consumption  limit switches  electrical specifications  options  special voltage upon request				
actuation  actuation  DC direct-current magnet direct-current magnet with integrated rectifier  insulating rating protection mergized duty rating connection  optional diditional equipment current consumption  actuation  Un AC 230 V 40-60 Hz special voltage upon request direct-current magnet with integrated rectifier  H 180°C PP65  ED 100% plug acc. DIN EN 175301-803 terminal box M16x1,5  form A, 4 positions x90° / wire diameter 6-8 mm  M12x1 connector acc. DESINA connector acc. VDMA  illuminated plug with varistor  N-coil DC 24 V 1,33 A  AC 230 V 40-60 Hz 0,14 A  explosion proof		electrical specifications		options
actuation  actuation  DC direct-current magnet direct-current magnet with integrated rectifier  insulating rating protection mergized duty rating connection  optional diditional equipment current consumption  actuation  Un AC 230 V 40-60 Hz special voltage upon request direct-current magnet with integrated rectifier  H 180°C PP65  ED 100% plug acc. DIN EN 175301-803 terminal box M16x1,5  form A, 4 positions x90° / wire diameter 6-8 mm  M12x1 connector acc. DESINA connector acc. VDMA  illuminated plug with varistor  N-coil DC 24 V 1,33 A  AC 230 V 40-60 Hz 0,14 A  explosion proof	nominal voltage	Un	DC 24 V	special voltage upon request
actuation DC direct-current magnet direct-current magnet with integrated rectifier  insulating rating protection protection rergized duty rating connection  optional diditional equipment current consumption  actuation DC direct-current magnet direct-current magnet with integrated rectifier  H 180°C PEB D 100%  PBB D 100%  plug acc. DIN EN 175301-803 terminal box M16x1,5 form A, 4 positions x90° / wire diameter 6-8 mm M12x1 connector acc. DESINA connector acc. VDMA illuminated plug with varistor plug with varistor surrent consumption  N-coil DC 24 V 1,33 A AC 230 V 40-60 Hz 0,14 A	nominal voltage			
insulating rating protection regized duty rating connection optional optional diditional equipment urrent consumption  explosion proof  AC direct-current magnet with integrated rectifier  H 180°C IP65 ED 100% plug acc. DIN EN 175301-803 terminal box M16x1,5 form A, 4 positions x90° / wire diameter 6-8 mm  M12x1 connector acc. DESINA connector acc. VDMA illuminated plug with varistor N-coil DC 24 V 1,33 A  AC 230 V 40-60 Hz 0,14 A	actuation			
insulating rating protection protection connection optional diditional equipment rerent consumption protection plug acc. DIN EN 175301-803 terminal box M16x1,5 form A, 4 positions x90° / wire diameter 6-8 mm optional illuminated plug with varistor variety of the connector acc. VDMA illuminated plug with varistor variety of the connector acc. VDMA acc 230 V 40-60 Hz 0,14 A		AC		
P65				
ergized duty rating connection    Document	insulating rating	Н	180°C	
connection  plug acc. DIN EN 175301-803 terminal box M16x1,5 form A, 4 positions x90° / wire diameter 6-8 mm  optional ditional equipment rrent consumption  M12x1 connector acc. DESINA connector acc. VDMA iluminated plug with varistor N-coil DC 24 V 1,33 A AC 230 V 40-60 Hz 0,14 A  explosion proof	protection	IP65		
optional ditional equipment rrrent consumption  explosion proof  optional equipment street consumption  optional ditional equipment rrent consumption  explosion proof  optional ditional equipment siluminated plug with varistor street consumption  N-coil DC 24 V 1,33 A AC 230 V 40-60 Hz 0,14 A	ergized duty rating	ED	100%	
wire diameter 6-8 mm	connection		plug acc. DIN EN 175301-803	terminal box M16x1,5
optional M12x1 connector acc. DESINA connector acc. VDMA iluminated plug with varistor  N-coil DC 24 V 1,33 A AC 230 V 40-60 Hz 0,14 A  explosion proof			form A, 4 positions x90° /	
iluminated plug with varistor  Prent consumption  N-coil  DC 24 V 1,33 A  AC 230 V 40-60 Hz 0,14 A  explosion proof			wire diameter 6-8 mm	
explosion proof  N-coil  DC 24 V 1,33 A AC 230 V 40-60 Hz 0,14 A  explosion proof	optional	M12x1	connector acc. DESINA	connector acc. VDMA
explosion proof	ditional equipment			
explosion proof	rrent consumption	N-coil	DC 24 V 1,33 A	
			AC 230 V 40-60 Hz 0,14 A	
limit switches	explosion proof			
limit switches				
limit switches				
	limit switches			
	mint Switches			

<sup>■</sup> specifications not highlighted are standard specifications highlighted in grey are optional





## type MK 10 DR - 100 bar function: NO open when not energized (A ▶B)

