

5/2 and 5/3 Solenoid valves, Series ISO1



5/2 directional-control valve, explosion-proof, CNOMO connecting surface

Rexroth
Bosch Group



Type	Spool valve, elastic sealing, zero overlap (Perbunan)	
Working pressure range	See table	
Nominal flow rate	1060 l/min (1.06 Cv)	
Ambient temperature range	-10 °C to +60 °C (+14 °F to +140 °F)	
Medium	Compressed air, lubricated or non-lubricated	
Weight	See table	
Materials	Body	Polyamide
	Seals	Perbunan
Operating voltages	24 V DC 24 V / 110 V / 220/240 V AC / 50 Hz	
Power consumption	24 V DC: 3,25 W; 110 V AC: 26 mA; 220 V AC: 13 mA; 24 V, 110 V, 240 V AC: 2,9 W 240 V AC: 17 mA	
Nominal current	24 V DC: 135 mA; 24 V AC: 124 mA,	
Protection against explosion:	EEx m II T5 (EN 50014 / EN 50028)	
Insulation class	F	
Protection with el. connector	IP 65 according to DIN VDE 0470 (NEMA 4)	
Duty cycle	ED	100%

► Technical Information:

Internationally standardized connection dimensions
Subplate connection
Solenoid coil can be rotated 8 x 45°
Captive mounting screws and subplate seal
Installation position: any
Pilot valve with CNOMO connecting surface
Electrical connector can be rotated 4 x 90°
Can be converted from internal to external pilot control
Suitable for vacuum with external pilot control valves



► Part no.

	Working pressure range [bar] (psi)	Weight [kg] (lbs)	Voltage and frequency	Part no. Press without detent	Part no. press and turn with detent
	2 - 10 (29 - 145)	0,410 (0.904)	220/240 V 50 Hz	0820024070	0820024020
	2 - 10 (29 - 145)	0,410 (0.904)	24 V 50/60 Hz	0820024072	0820024022
	2 - 10 (29 - 145)	0,410 (0.904)	110 V 50/60 Hz	0820024073	0820024023
	2 - 10 (29 - 145)	0,410 (0.904)	without solenoid coil *)	0820024982	0820024980
	2,2 - 10 (32 - 145)	0,410 (0.904)	220/240 V 50 Hz	0820024095	0820024045
	2,2 - 10 (32 - 145)	0,460 (1.014)	24 V 50/60 Hz	0820024097	0820024047
	2,2 - 10 (32 - 145)	0,460 (1.014)	110 V 50/60 Hz	0820024098	0820024048
	2,2 - 10 (32 - 145)	0,460 (1.014)	without solenoid coil *)	0820024983	0820024981
	1 - 10 (15 - 145)	0,590 (1.301)	220/240 V 50 Hz	0820024570	0820024520
	1 - 10 (15 - 145)	0,590 (1.301)	24 V DC	0820024571	—
	1 - 10 (15 - 145)	0,590 (1.301)	24 V 50/60 Hz	0820024572	0820024522
	1 - 10 (15 - 145)	0,590 (1.301)	110 V 50/60 Hz	0820024573	0820024523
	1 - 10 (15 - 145)	0,590 (1.301)	without solenoid coil *)	0820024985	0820024984

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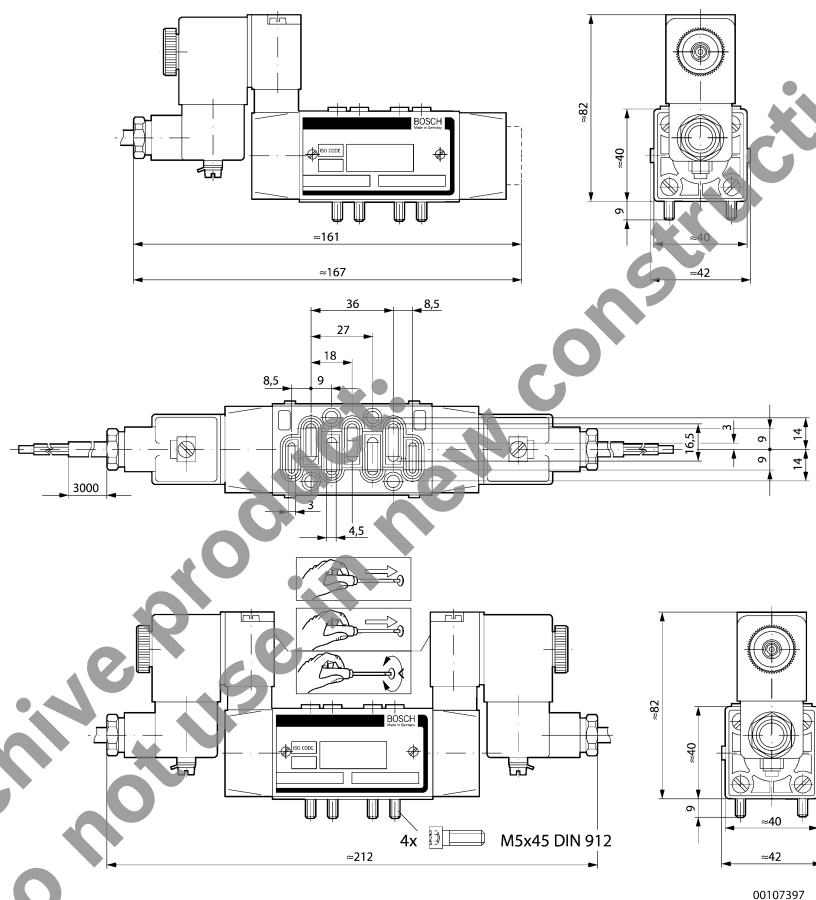
▲ Accessories (to be ordered separately)

Accessory	Type	Part no.
	spare parts kit	1827009314
	Electrical connector Via a cable, 3 m long	

*) Low power consumption

Special conditions:

- 1) Each valve magnet should have a pre-connected fuse that serves as a short-circuit protection and corresponds to its nominal current (max. $3 \times I_{nom}$ in accordance with DIN 41571 or IEC 127) or a protective motor switch with fast short-circuit and thermal actuation.
- 2) The valve solenoids are suitable for block assembly. Spacing may be wall to wall.



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