

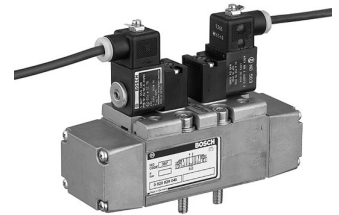
# 5/2 and 5/3 Directional-control valves, Series ISO 3

5/3 Directional control valve, electrically operated, explosion-proof

**Rexroth**  
Bosch Group

## Technical Data

Type	Spool valve, elastic sealing	
Standard	ISO 5599 / 1	
Protection against explosion	EEx m II T5 acc. to EN 50014 /50028	
Working pressure range	2,5 ... 10 bar	
Nominal flow rate	see table	
Ambient temperature range	up to + 50 °C	
Medium	Compressed air, lubricated or non-lubricated	
Weight	2,030 kg	
Materials	Body Tiiviste	Die-cast aluminium Perbunan
Operating voltages of solenoid coil	24 V DC 24 V / 110 V / 220/230 V 50/60 Hz AC	
Nominal current / Power consumption	24 V DC: 135 mA / 3,25 W 24 V 50/60 HZ AC: 124 mA / 2,9 W 110 V 50/60 Hz AC: 26 mA / 2,9 W 220 V 50/60 Hz AC: 13 mA / 2,9 W 240 V 50/60 Hz AC: 17 mA / 2,9 W	
Protection with el. connector	IP 65 to DIN VDE 0470	
Duty cycle	ED	100%



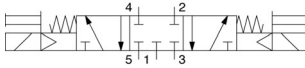
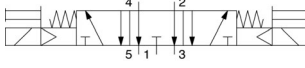
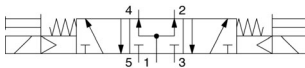
## Technical Information:

Installation position: any  
Pilot valve with CNOMO connecting surface  
Spool operates with zero overlap  
Solenoid coil can be rotated through 3 x 90°  
Can be converted from local to external pilot control  
Function indicator for local or external pilot control

## Special conditions:


Each valve solenoid should have a pre-connected fuse that serves a a short-circuit protection and corresponds to its nominal current (max.  $3 \times I_{nom}$  in accordance with DIN 41 751 or IEC 127) or a protective motor switch with fast short-circuit and thermal actuation. The valve solenoids are suitable for block assembly. Spacing may be wall to wall.

## Code no.

	Nominal flow rate [NI / min]	Voltage and frequency	Code no. Press	Code no. Press and turn with detent
	mid-position: – end position: G 1/2: 3500 G 3/4 / G 1: 4250	24 V DC 24 V 50/60 Hz 110 V 50/60 Hz 220/230 V 50/60 Hz without coil *)	<b>0820029121</b> <b>0820029122</b> <b>0820029123</b> <b>0820029120</b> <b>0820029983</b>	<b>0820029021</b> <b>0820029022</b> <b>0820029023</b> <b>0820029020</b> <b>0820029980</b>
	mid-position: G 1/2: 3700 G 3/4 / G 1: 4500 end position: G 1/2: 3700 G 3/4 / G 1: 4250	24 V DC 24 V 50/60 Hz 110 V 50/60 Hz 220/230 V 50/60 Hz without coil *)	<b>0820029146</b> <b>0820029147</b> <b>0820029148</b> <b>0820029145</b> <b>0820029984</b>	<b>0820029046</b> <b>0820029047</b> <b>0820029048</b> <b>0820029045</b> <b>0820029981</b>
	mid-position: G 1/2: 3700 G 3/4 / G 1: 4500 end position: G 1/2: 3700 G 3/4 / G 1: 4250	24 V DC 24 V 50 Hz 110 V 50 Hz 220/230 V 50 Hz without coil *) without coil **) without coil *)	<b>0820029171</b> <b>0820029172</b> <b>0820029173</b> <b>0820029170</b> <b>0820029985</b> <b>0820026995</b> <b>0820026985</b>	<b>0820029071</b> <b>0820029072</b> <b>0820029073</b> <b>0820029070</b> <b>0820029982</b> <b>0820026992</b> <b>0820026984</b>

\*) Low power consumption

## Code no.

Accessory	Type	Code no.
	Spare parts kit	<b>1827009332</b> <b>(Pack unit: 10)</b>

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