

Solenoid valve

525-320XX-1



Description

525-320XX-1 are 2/2 and 3/2-way solenoid valves suitable to supply lubricant in different lubrication circuits. Each lubrication circuit can be connected to one pump outlet by switching off or switching on separately. Thereby, the pressure inlet is connected either to one or to the other circuit. Solenoid valves are equipped with a dry magnetic rotor and a conical seat valve. In their initial state, the valves always are open to the return line and are activated by a return spring. The current switching positions remain as long as current is switched on. 525-320XX-1 solenoid valves are switchable and suitable for bidirectional flows. These valves can also be used as release valves.

Features and benefits

- Suitable for bidirectional flow operation
- Suitable to divide lubricant in different lubrication circuits on different time sequences
- Cone-seated solenoid valve with dry actuation
- Switchable and resistant to compression in both flow directions

Applications

- Construction machinery
- Wind turbines
- Mining



NOTE

Further technical information, technical drawings, accessories, spare parts or product function descriptions available on SKF.com/lubrication:



Technical data

Function principle	2/2 or 3/2-way solenoid valves
Lubricant	oil, fluid grease and grease NLGI 0, 1, 2
Operating temperature	-40 to +70 °C; -40 to +158 °F
Operating pressure	0-400 bar; 0-5 800 psi
Flow rate	max. 2 400 cm ³ /min max. 146.5 in ³ /min
Supply voltage	24 VDC, 110 VAC, 50 Hz 230 VAC, 50-60 Hz
Current draw	0,83 A; 0,2 A; 0,1 A
Rated power	20 W
Pressure connection	G 1/2 or G 3/8
Protection class	IP 54
Isolation class	F
Materials	steel, aluminum
Dimensions	147 × 50 × 45 mm 5.78 × 1.96 × 1.77 in
Mounting position	any

Order information

Order number	Designation	Closed circuit current	Valve type	Operating voltage
525-32080-1	WV-M-W2G-1/2- 24DC	closed	2/2	24 VDC
525-32081-1	WV-M-W2G-1/2-110AC	closed	2/2	110 VAC
525-32082-1	WV-M-W2G-1/2-230AC	closed	2/2	230 VAC
525-32083-1	WV-M-W20-1/2- 24DC	open	2/2	24 VDC
525-32098-1	WV-M-W20-1/2-110AC	open	2/2	110 VAC
525-32084-1	WV-M-W20-1/2-230AC	open	2/2	230 VAC
525-32085-1	WV-M-W3 -3/8- 24DC	n.a.	3/2	24 VDC
525-32086-1	WV-M-W3 -3/8-110AC	n.a.	3/2	110 VAC
525-32087-1	WV-M-W3 -3/8-230AC	n.a.	3/2	230 VAC