RPEJ1-06

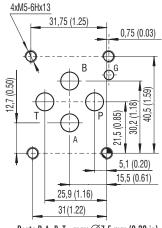
Size 06 (D03) • Q_{max} 60 l/min (16 GPM) • p_{max} 320 bar (4600 PSI)



Technical Features

- Direct acting directional control valve with subplate mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
- > Five chamber valve design for high transmitted hydraulic power
- > Decreased dependence of function on fluid viscosity
- \rightarrow The coil, fastened to the core tube with a retaining nut, can be rotated by 360° to suit the available space
- > Range of interchangeable spools
- In the standard version, the valve housing is phosphated for basic surface corrosion protection and as preparation for painting. Steel parts are zinc-coated for 240 h salt spray protection acc. to ISO 9227

ISO 4401-03-02-0-05



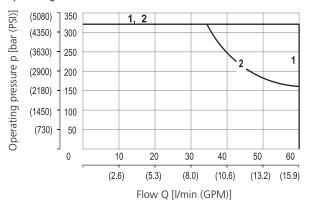
Ports P, A, B, T - max Ø7.5 mm (0.29 in)

Technical Data

Valve size	06 (D03)				
Max. flow		l/min (GPM)	60 (15.8)		
Max. operating pressure at ports P, A, B		bar (PSI)	320 (4640)		
Max. operating pressure at port T		bar (PSI)	100 (1450)		
Fluid temperature range (NBR)		°C (°F)	-20 +60 (-22 +140)		
Ambient temperature range		°C (°F)	-20 +50 (-22 +122)		
Kinematic viscosity		mm2/s (SUS)	10100 (49 487st)		
Supply voltage tolerance		%	DC ±10		
Max. switching frequency		1/h	10 000		
Curitabing time at 22 mm ² /s /1E6 CLIC)	ON	ms	DC: 30 50		
Switching time at $v=32 \text{ mm}^2/\text{s}$ (156 SUS)		ms	DC: 30 50		
Weight - valve with 1 solenoid		kg (lbs)	1.4 (3.1)		
- valve with 2 solenoids		kg (lbs)	2.0 (4.4)		
		Datasheet	Type		
General information		GI_0060	Products and operating conditions		
Mounting interface		SMT_0019	Size 06		
Subplates		DP_0002	DP*-06		

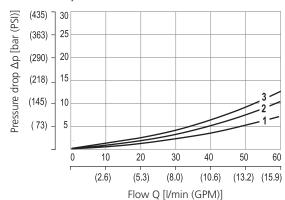
Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

Operating limits - Power limit characteristics valid for 80% of nominal current.



Spool symbol					
1	Z11, Z51, R11, X11				
2	Y11				

Pressure drop related to flow rate



Spool symbol	P-A	P-B	A-T	В-Т
Z11, R11, X11	2	2	3	3
Y11	2	2	2	2
Z51		2	3	

For operating limits under conditions and flow directions other than shown contact our technical support.

Spool Symbols Type Symbol Interposition Interposition Туре Symbol Interposition Type Symbol Z11 Z51 Z11 XXXXX Y11 Y11 R11 X11

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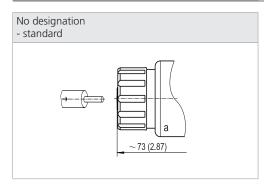


Solenoid Coil in millimeters (inches)

E1 - EN 175301-803-A IP55 IP55 51 (2.00)

The indicated IP protection level is only achieved if the connector is properly mounted.

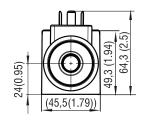
Manual Override in millimeters (inches)

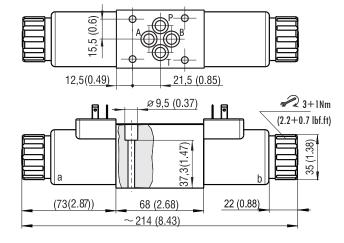


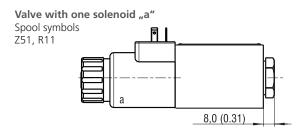
In case of solenoid malfunction or power failure, the spool of the valve can be shifted by manual override as long as the pressure in port T does not exceed 25 bar (363 PSI).

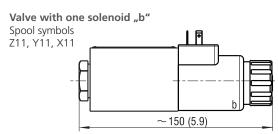
Valve Dimension in millimeters (inches)



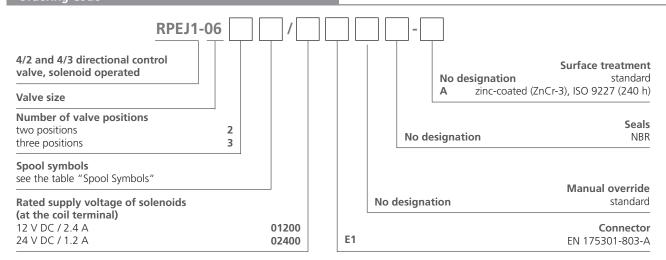








Ordering Code



- For directional valves with two solenoids, one solenoid must be de-energized before the other solenoid can be charged.
- The solenoid operated valves are delivered without connectors. For available connectors see data sheet K_8008.
- Mounting bolts M5 x 45 DIN 912-10.9 or studs must be ordered separately. Tightening torque is 8.9+1 Nm (6.56+0.7 lbf.ft).

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