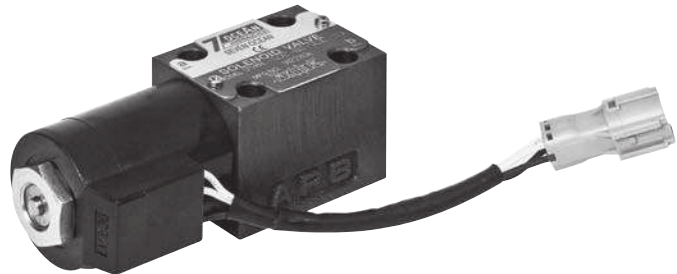


SOLENOID OPERATED DIRECTIONAL CONTROL VALVE DSWL-G02 SIZE 6

A
DSWL-G02 SIZE 6

FEATURES :

- Push-Pull valve is developed for automatic gear-box.
- Extensively applied to construction machine, mining machine and engineering automobile.
- Permissible Contamination Level: within NAS 1638 Class 12.
- High and low temperature resistance.



Model: DSWL-G02-6C-DC*-50

SPECIFICATION :

| | | |
|-----------------------------------|--------|----------------------------------|
| Maximum Flow Rate | | 15 L/Min (7 MPa) |
| Maximum Operating Pressure | | 7 MPa |
| Maximum Permissible Back Pressure | | 2 MPa |
| Ambient Temperature Range | | -25°C~+60°C |
| Hydraulic Fluid Temperature | | -25°C~+90°C |
| Viscosity Range | | 13~300 mm ² /S |
| Fluid Cleanliness | | Below 25 μm |
| Vibration Tolerance | | JIS D1601 Type-3 Class-D Stage-7 |
| Waterproof Tolerance | | JIS D 0203 S2 |
| Degree of Protection | | IP 65 |
| Maximum Change over Frequency | | 120 Times/Min |
| Mounting Pattern | | ISO 4401-AB-03-4-A |
| Approx. Weight | | 1.7 kg |
| Valve Fixing Screws | Metric | M5 x 45L (4pcs) |
| | Inch | 10#~24UNCx1-3/4"L (4pcs) |
| Tightening Torque | | 5~7 Nm (51~71 kgf/cm) |



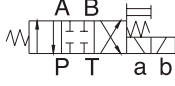



SOLENOID OPERATED DIRECTIONAL CONTROL VALVE DSWL-G02 SIZE 6

ORDERING CODE :

DSWL - G 02 - 6C - DC12 - 50 - 01
1 2 3 4 5 6 7

- 1** DIRECTIONAL CONTROL VALVE
- 2** MANIFOLD OR SUBPLATE MOUNTING
- 3** NOMINAL VALVE SIZE
 NG 6, CETOP 3 and ISO 4401-03 (NFPA-D03/DIN 24340)
- 4** TYPE OF SPOOL
- 5** ELECTRIC POWER SOURCE INDICATION
 DC12: DC12V
 DC24: DC24V
- 7** DESIGN NUMBER
 50: Coil at B side
 50A: Coil at A side
- 8** CONNECTOR & TERMINAL TYPE
 Connector and terminal can be made as request

SPOOL TYPES:

| Position type during transition | Double solenoid valves, solenoid at port A end -*C-50A- | Double solenoid valves, solenoid at port B end -*C-50- |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 (C)  |  |  |
| 6 (C)  |  |  |

*() : Rexroth Model

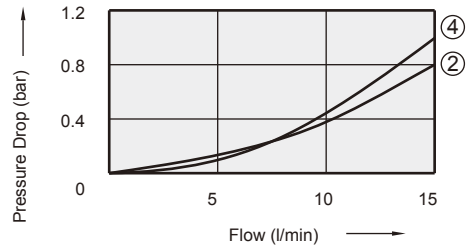
SOLENOID OPERATED DIRECTIONAL CONTROL VALVE DSWL-G02 SIZE 6

PERFORMANCE FIGURES & CURVES:

Pressure Drop Curve Reference Chart

Viscosity of Hydraulic Fluid: 36 mm²/s

| Spool Type | C | | | |
|------------|------------------|-----|-----|-----|
| | Control Position | | | |
| | P→A | P→B | A→T | B→T |
| 2 (C) | 4 | 4 | 4 | 2 |
| 6 (C) | 4 | 4 | 2 | 2 |

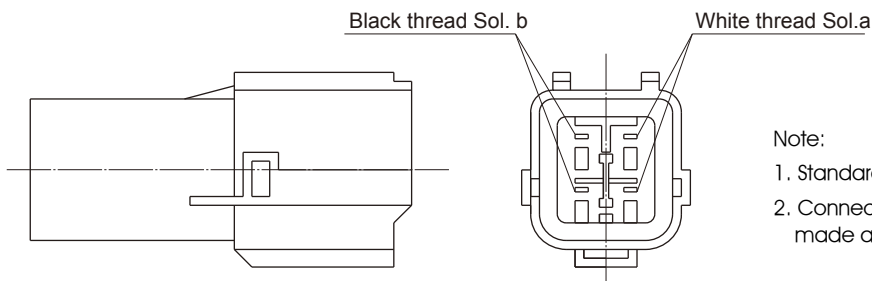


FEATURES OF ELECTRO-MAGNETIC COIL:

| Voltage (V) | Holding Current (A) | Holding Power (W) | Permissible Voltage (V) | Insulation Grade | Coil Insulation Class | Insulation Resistance (MΩ) |
|-------------|---------------------|-------------------|-------------------------|------------------|-----------------------|----------------------------|
| 24 | 0.97 | 25 | 21.6~26.4 | B | H (180°C) | >50 |
| 12 | 1.83 | 25 | 10.8~13.2 | | | |

WIRING:

■ DSWL-G02-*C-DC* *-50/50A



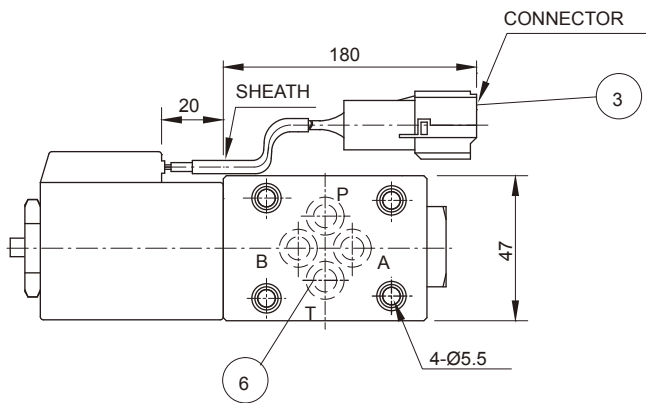
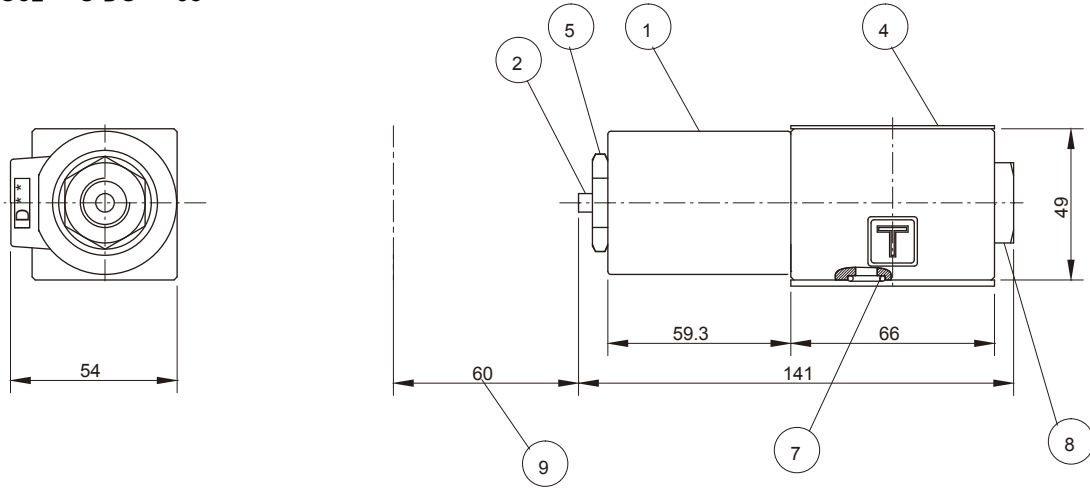
Note:

1. Standard type
2. Connector and terminal could be made as request.

SOLENOID OPERATED DIRECTIONAL CONTROL VALVE DSWL-G02 SIZE 6

DIMENSIONS:

■ DSWL-G02- *C-DC* *-50



- 1: Coil and Solenoid
- 2: Push pin for manual operation
- 3: Connector
- 4: Nameplate
- 5: Lock nut with torque
- 6: Connections to DIN 24340 NG 6 (ISO4401-AB-03-4-A); valve fixing screws M5x45; tightening torque 5~7 Nm
- 7: O-ring 1B~P9
- 8: Hex nut
- 9: Coil removable length

■ DSWL-G02- *C-DC* *-50A

