DG-S4B  DIRECT ACTING SPOOL, 4 WAY 2 POSITION, CLOSED CENTER

DESCRIPTION
10 size, 7/8-14 thread, “Delta” series, solenoid operated, 4 way 2 position, closed center spool valve.

OPERATION
When de-energized the DG-S4B blocks flow at all ports. When energized the valve allows flow from (2) to (1) and (3) to (4).

OPERATION OF MANUAL OVERRIDE OPTION: to override, turn the manual override screw counterclockwise. To release turn the manual override screw clockwise.

FEATURES
• Hardened parts for long life.
• Efficient wet-armature construction.
• Cartridges are voltage interchangeable.
• Manual override option.
• Industry common cavity.
• Unitized, molded coil design.
• Continuous duty rated solenoid.
• Optional coil voltages and terminations.

HYDRAULIC SYMBOL

For higher pressures see HG-S4B. Operational shift limit, 10 GPM (38 LPM). For shift performance consult chart.

PERFORMANCE
Actual Test Data (Cartridge Only)

VALVE SPECIFICATIONS
Nominal Flow 10 GPM (38 LPM)
Rated Operating Pressure 3000 PSI (207 bar)
Typical Internal Leakage (150 SSU) 5 cu in/min (82 ml/min) per path
Viscosity Range 36 to 3000 SSU (3 to 647 cSt)
Filtration ISO 18/16/13
Media Operating Temp. Range -40° to 250°F (-40° to 120°C)
Weight .32 lbs (.15 kg)
Operating Fluid Media General Purpose Hydraulic Fluid
Cartridge Torque Requirements 30 ft-lbs (40.6 Nm)
Coil Nut Torque Requirements 4-6 ft-lbs (5.4-8.1 Nm)
Cavity DELTA 4W
Cavity Tools Kit (form tool, reamer, tap) 40500002
Seal Kit 21191214

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SOLENOID OPERATED DIRECTIONAL CONTROLS

DIMENSIONS

ORDERING INFORMATION

DG-S4B

OPTIONS
Buna Standard 00
Viton Standard V0
Buna, Override, Detent 0M
Viton, Override, Detent VM
Buna, Override, Non-detent B1
Viton, Override, Non-detent V1

BODIES
Blank Without Body N 1/4 NPTF Ports
S #6 SAE Ports

VOLTAGE
06 6 VDC
12 12 VDC
24 24 VDC
36 36 VDC
48 48 VDC
25 24 VAC
11 120 VAC
22 220 VAC
44 440 VAC

“D” COIL TERMINATION
(All DC Except as Noted)
DL Double Lead
DT Deutsch on Leads DT04-2P
ML Metri-Pack on Leads
PL Packard on Leads
WL Weatherpack on Leads
SS Single Spade
DS Double Spade
HC DIN 43650 (Hirschmann) - (AC&DC)
CL Conduit Lead - (AC Only)
DI Deutsch - Integral DT04-2P

IMMERSION PROOF “D” TYPE
“T” Coil AMP Superseal - Integral
“T” Coil - Deutsch - Integral DT04-2P
“T” Coil AMP Jr. Timer - Integral
“T” Coil - Metri-Pack - Integral

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DELTA POWER

TECNORD