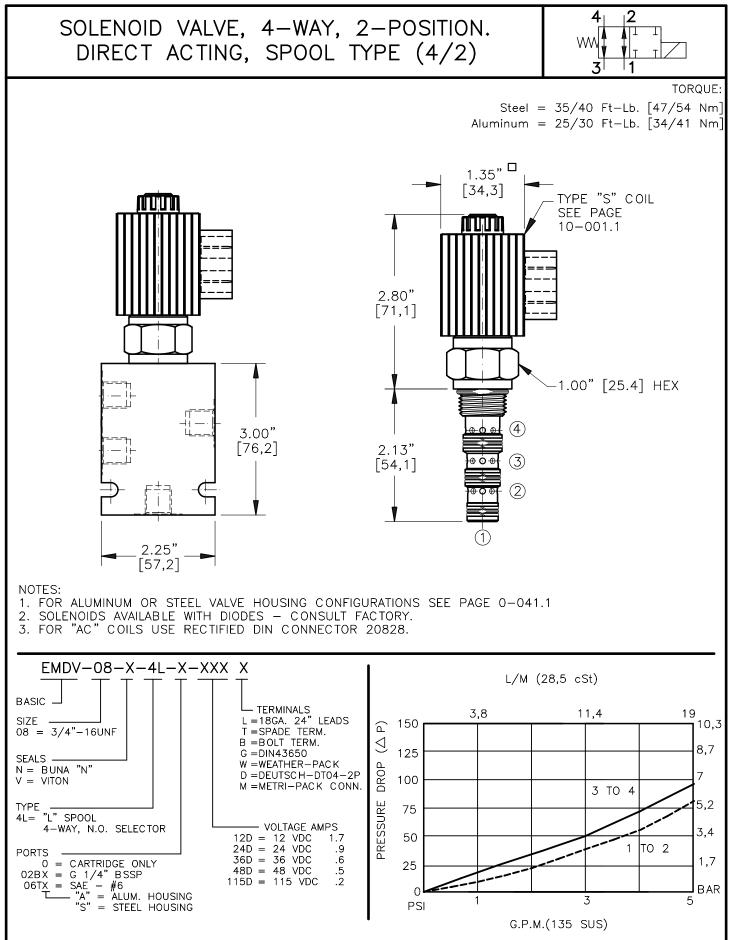
#### EMDV-08-4L

# **BUCHER** hydraulics





## SOLENOID VALVE 4-WAY, 2-POSITION, DIRECT ACTING, SPOOL TYPE (4/2)

#### **DESCRIPTION**

This unit is a FOUR-WAY, TWO POSITION, cartridge type, spool type, direct acting, screw in type, solenoid operated, normally open selector valve.

#### **OPERATIONS**

When solenoid coil is de-energized, this valve allows flow from port 1 to 2, and port 3 to 4 and vice versa. When solenoid coil is energized, the spool in this valve is shifted and is closed at all ports.

### FEATURES AND BENEFITS

Continuous-duty, very low heat rise & waterproof solenoid coil. Interchangeable solenoid coils & terminations options available. Hardened precision fitted spool & sleeve provides reliable, long life. Very efficient, wet-armature solenoid core tube construction. All external carbon steel parts are plated for longer life against the elements. All cartridge valves are 100% functionally tested. Industry common cavity. EMDV-08-4L



SOLENOID VALVE 4-WAY, 2-POSITION, DIRECT ACTING, SPOOL TYPE (4/2)

#### SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar] PROOF PRESSURE: 10,000 PSI [700 Bar] FLOW: 5.0 GPM [19 I/m] See performance chart. INTERNAL LEAKAGE: 5cu.in/min [82 cc/m] @ 5,000 PSI (350 Bar) VALVE HOUSINGS: 2500 PSI [175 Bar] = Aluminum - Anodized. 5000 PSI [350 Bar] = Steel - Unplated.OIL TEMPERATURE:  $-40^{\circ}$  to  $+175^{\circ}$  F.  $[-40^{\circ}$  to  $+80^{\circ}$  C.] AMBIENT TEMPERATURE:  $-40^{\circ}$  to  $+122^{\circ}$  F.  $[-40^{\circ}$  to  $+50^{\circ}$  C.] Please consult factory for continuously energized or high ambient temperature application (>122° F [50°C]) OPERATING MEDIA: All general purpose hydraulic fluids such as MIL-H-5606, SAE-#10, SAE-#20, etc. RESPONSE TIME: First indication of change in pressure with 100% voltage supplied @ 80% of nominal flow ratina. \* Pull-in: 50 ms \* Drop-Out: 50 ms SEAL KIT: SKN-0842 Buna "N' SKV-0842 Viton WEIGHT: .98 Ib [.44 kg] cartridge with coil only. VALVE CAVITY: #C0840, See Page 0-041.0.

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