## **Solenoid Valves**

# **EVH 06/D5**

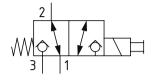
Solenoid Valve, 3-way, 2-position, Poppet Type

230 bar [3300 psi] • 25 l/min [6.6 US gpm]

#### **OPERATION AND DESCRIPTION**

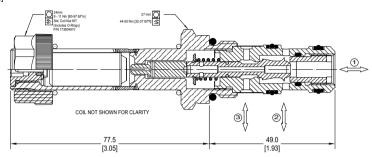
This is a 3-way, 2-position, poppet type, direct acting solenoid valve. When de-energized, the valve blocks flow from port 3 while allowing flow between port 1 and 2. When energized, the valve poppet blocks flow from port 1 while allowing flow between port 2 and 3. These valves come standard with a push pin manual override. This valve is ideal for low leakage requirements to hold a load in position.

#### **SCHEMATIC**



#### DIMENSIONS

mm [in]

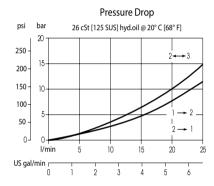


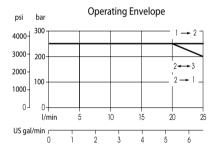
#### **■ PERFORMANCE DATA**

| Rated Pressure* | 230 bar [3300 psi]           |
|-----------------|------------------------------|
| Flow Capability | 25 l/min [6.6 US gpm]        |
| Leakage         | 6 drops/min @ Rated Pressure |
| Coil Options    | M16, R16                     |
| Weight          | 0.44 kg [0.97 lb]            |
| Cavity          | NCS06/3                      |

<sup>\*</sup>Rated Pressure based on NFPA fatigue test standards (at 1 million cycles)

#### **PERFORMANCE CURVES**





#### MODEL CODE

# EVH 06/D5 - 12D - DE - PB - SE6S - B

#### **Coil Voltage**

| Standard<br>Coil Code | Robust<br>Coil Code | Coil<br>Voltage        |
|-----------------------|---------------------|------------------------|
| 00                    | R00                 | No Coil, nut included* |
| 10D                   | R10D                | 10 VDC                 |
| 12D                   | R12D                | 12 VDC                 |
| 20D                   | R20D                | 20 VDC                 |
| 24D                   | R24D                | 24 VDC                 |
| 110A                  |                     | 110 VAC**              |
| 220A                  |                     | 220 VAC**              |
|                       |                     |                        |

<sup>\*</sup>Standard Coil - Plastic coil nut and o-rings (p/n 17400021)

#### **Connector Type**

| Standard<br>Coil Code | Robust<br>Coil Code | Connector<br>Type        |
|-----------------------|---------------------|--------------------------|
| 00                    | 00                  | No Coil                  |
| AJ                    |                     | Amp Junior               |
| AJD                   |                     | Amp Junior with Diode    |
| AS                    | AS                  | AMP SuperSeal 1.5        |
| ASD                   | ASDB*               | AMP SuperSeal with Diode |
| DE                    | DE                  | Deutsch                  |
| DED                   | DEDB*               | Deutsch with Diode       |
| FL                    | FL                  | Flying Leads             |
| FLD                   | FLDB*               | Flying Leads with Diode  |
| DN                    |                     | DIN 43650                |
| *Bi-directional di    | ode                 |                          |

| Code               | Seal kit  |
|--------------------|-----------|
| <b>B</b> -Buna - N | 230000590 |
| <b>V</b> -Viton    | 230000430 |

#### Housing

| Code  | Ports       | <b>Housing Model Code</b> |
|-------|-------------|---------------------------|
| 00    | No Housing  |                           |
| SE6S  | #6 SAE, AL  | NCS06/3-SE-6S             |
| SE8S  | #8 SAE, AL  | NCS06/3-SE-8S             |
| SE3/8 | 3/8 BSP, AL | NCS06/3-SE-3/8            |
| SE1/2 | 1/2 BSP, AL | NCS06/3-SE-1/2            |

<sup>\*</sup> Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].

### **Manual Override Option**

Omit - Push Pin PB - Push Button SPS - Screw Type **OPS** - Protected Push Pin

PAT - Push and Twist

<sup>\*</sup>Robust Coil - Steel coil nut and no o-rings (p/n 173804910)

<sup>\*\*</sup>DIN only - external rectifier needed

<sup>\*</sup> Additional housings available