Solenoid valves

Cartridge Valves Technical Information

Solenoid Valves

520L0588

• Rev DB • November 2010

OPERATION

This is a normally-closed, direct-acting, 2-way, 2-position, spool-type solenoid valve.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated pressure</td>
<td>230 bar</td>
</tr>
<tr>
<td>[3300 psi]</td>
<td></td>
</tr>
<tr>
<td>Rated flow at 7 bar</td>
<td>35 l/min</td>
</tr>
<tr>
<td>[100 psi]</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>0.43 kg</td>
</tr>
<tr>
<td></td>
<td>[0.95 lb]</td>
</tr>
<tr>
<td>Cavity</td>
<td>SDC10-2</td>
</tr>
<tr>
<td>Standard Coil</td>
<td>M16</td>
</tr>
<tr>
<td>Robust Coil</td>
<td>R16</td>
</tr>
<tr>
<td></td>
<td>20 Watt</td>
</tr>
<tr>
<td></td>
<td>173804910</td>
</tr>
<tr>
<td></td>
<td>(no coil O-rings needed)</td>
</tr>
</tbody>
</table>

Schematic

P102 388

DIMENSIONS

mm [in]

Cross-sectional view

P103 477

ORDERING INFORMATION

Coil voltage

- 00 = No Coil
- 12D = 12 VDC (Standard Coil)
- 24D = 24 VDC (Standard Coil)
- R12D = 12 VDC (R-Coil)
- R24D = 24 VDC (R-Coil)

Coil termination:

- 00 = No Coil
- FL = Flying Lead
- DN = DIN 43650 *
- DE = Deutsch
- AJ = Amp Junior *
- SP = Spade *
- AS = AMP SuperSeal 1.5 and Metri-Pack 150 type 1

Body and ports

- 00 = Cartridge only
- 65 = AL, #6 SAE
- 85 = AL, #8 SAE
- DG3B = AL, 3/8 BSP
- DG4B = AL, 1/2 BSP
- Other housings available

Body Nomenclature

- No Body
- CP10-2-6S
- CP10-2-8S
- SDC10-2-DG3B
- SDC10-2-DG4B

Seals

- B = Buna N
- V = Viton

Seals kit

- 354004019
- 354003419

* These terminations are not available on robust coil (R12D, R24D)

Theoretical performance

Pressure drop

33 cSt [154 SUS] hyd. oil @ 38°C [100°F]

Operating envelope

P103 578E

Rating pressure

230 bar [3300 psi]

Rated flow at 7 bar

35 l/min [9 US gal/min]

Weight

0.43 kg [0.95 lb]

Cavity

SDC10-2

Standard Coil

M16

Robust Coil

R16

20 Watt

173804910

(normo coil O-rings needed)