Port size: DN 32, Flange connection, PN 40, acc. to GOST 12815-0 Russia RU

Shock and vibration tested to EN 61373, Category 1, class B

High flow rate

Damped operation

Explosion proof electrical position indicator: NAMUR, (inherently safe)

Technical features

Medium:
Liquid natural gas, oxygen, nitrogen

Switching function:
Normally closed

Mech. equipment:
Electrical position indicator with 2 limit switches

Mounting position:
Solenoid vertical on top

Flow direction:
Determined

Fluid temperature:
–200 ... +100°C (-328 ... +212°F)

Ambient temperature:
–40 ... +70°C (-40 ... +158°F)

Material:
Body: Stainless steel (1.4301)
Internal parts: Stainless steel, PTFE

Technical data

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size (mm)</th>
<th>Orifice (mm)</th>
<th>Valve length (mm)</th>
<th>Flow kv value *1) (m³/h)</th>
<th>Operating pressure *2) (bar)</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>32</td>
<td>25</td>
<td>200</td>
<td>9,5</td>
<td>0 ... 40</td>
<td>17,5</td>
<td>8590907.8955.11000</td>
</tr>
</tbody>
</table>

*1) Cv-value (US) = kv value x 1,2

*2) For gases and liquid fluids up to 25 mm²/s (cSt)
Standard solenoid systems

<table>
<thead>
<tr>
<th>Code</th>
<th>Voltage</th>
<th>Code</th>
<th>Frequency</th>
<th>Power consumption Inrush</th>
<th>Frequency</th>
<th>Holding</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>110 V d.c.</td>
<td>00</td>
<td>43 W</td>
<td>43 W</td>
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</tbody>
</table>

Further versions on request!

Electrical details for all solenoid systems

<table>
<thead>
<tr>
<th>Design</th>
<th>DIN VDE 0580</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage range</td>
<td>±10%</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>100% ED</td>
</tr>
<tr>
<td>Protection class</td>
<td>EN 60529 IP65</td>
</tr>
<tr>
<td>Socket</td>
<td>Form A acc. to DIN EN 175301-803 (included)</td>
</tr>
</tbody>
</table>

According to DIN VDE 0580 at a solenoid temperature of +20°C. At operating state temperature the input power of a coil decreases by up to ca. 30% due to physical reasons.

Dimensions

Note to Pressure Equipment Directive (PED):
The valves of this series are according to Art. 4 § 3 of the Pressure Equipment Directive (PED) 2014/68/EU. This means interpretation and production are in accordance to engineers practice well-known in the member countries. The CE-sign at the valve does not refer to the PED. Thus the declaration of conformity is not longer applicable for this directive.

Note to Electromagnetic Compatibility Guideline (EMC):
The valves shall be provided with an electrical circuit which ensures the limits of the harmonised standards EN 61000-6-3 and EN 61000-6-1 are observed, and hence the requirements of the Electromagnetic Compatibility Guideline 2014/30/EU satisfied.