FEATURES

- Converts analog input control signals to coil current of a proportional solenoid valve by means of pulse width modulation
- LED-Display integrated in the connector
- Adjustable UP/DOWN ramp control
- Output coil current independent of coil resistance (temperature) and supply voltage variations
- The electronic circuit is integrated in a standard housing according to DIN EN 175301-803, form A
- Parameter setting via PC interface and programming adapter or, optionally, via the switches integrated in the connector

GENERAL

Nominal voltage 12/24 V DC
Maximum current 1,2 A / 2,5 A

CONSTRUCTION

Housing PA
Cover PA
Screw Zinc plated steel
Seals NBR

ELECTRICAL CHARACTERISTICS

Connector M12, 5 pins
Connector specification DIN EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection IP65 (EN 60529)
Supply voltage 12V ... 30 V DC (incl. ripple)

<table>
<thead>
<tr>
<th>max. full load current (I_{m})</th>
<th>input control signal</th>
<th>ambient temperature range</th>
</tr>
</thead>
<tbody>
<tr>
<td>(mA)</td>
<td>U_c (V)</td>
<td>(V)</td>
</tr>
<tr>
<td>(mA)</td>
<td>I_c (mA)</td>
<td>(C°)</td>
</tr>
<tr>
<td>1200/2400</td>
<td>0 - 10</td>
<td>4 - 20</td>
</tr>
<tr>
<td></td>
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<td>-20 to +65</td>
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</tbody>
</table>

Ramp time Selectable ON/OFF, adjustable from 50 ms to 5 s, UP/DOWN
Adjustable switch frequency 60 - 1500 Hz

SPECIFICATIONS

catalogue number: proportional valves for digital control unit | type (1) | setpoint | catalogue number
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>202A001V to 202A087V</td>
<td>01</td>
<td>0 - 10 V</td>
<td>X90850164500100</td>
</tr>
<tr>
<td>203B001V and 203B002V</td>
<td></td>
<td>4 - 20 mA</td>
<td>X90850164500200</td>
</tr>
<tr>
<td>202A201V to 202A208V</td>
<td>02</td>
<td>0 - 10 V</td>
<td>X90850164500100</td>
</tr>
<tr>
<td>202A513V</td>
<td></td>
<td>4 - 20 mA</td>
<td>X90850164500200</td>
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</tbody>
</table>

(1) Refer to the dimensional drawings on the following page.

PROPORTIONAL VALVES SUITABLE FOR CONTROL APPLICATIONS

<table>
<thead>
<tr>
<th>description</th>
<th>series</th>
<th>illustration</th>
<th>catalogue page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-port proportional valve for pressure control</td>
<td>602</td>
<td>see P308 in our &quot;Pneumatic Components&quot; catalogue</td>
<td></td>
</tr>
<tr>
<td>Posiflow / Preciflow proportional solenoid valves, Flapper proportional</td>
<td>202, 203</td>
<td>See our &quot;Proportional Technology&quot; catalogue at: <a href="http://www.asconumatics.eu">www.asconumatics.eu</a></td>
<td></td>
</tr>
</tbody>
</table>
INSTALLATION

- The control unit can be mounted in any position without affecting operation

DIMENSIONS (mm), WEIGHT (kg)

TYPE 01: CONTROL UNIT
0.075 kg

TYPE 02: ADAPTER
from Form A to Form B

ACCESSORIES

description | catalogue number
--- | ---
Straight M12 female connector, 5 pins, with screw terminals | 88100256
Right-angle M12 female connector, 5 pins, with screw terminals | 88100725
Supply cable 2 m, 2 x 0.25 mm², straight connector | 88100726
Supply cable 2 m, 2 x 0.25 mm², right-angle connector | 88100727
Supply cable 5 m, 6 x 0.56 mm², straight connector | 88100728
Supply cable 5 m, 6 x 0.56 mm², right-angle connector | 88100729
Supply cable 10 m, 6 x 0.56 mm², straight connector | 88100730
Supply cable 10 m, 6 x 0.56 mm², right-angle connector | 88100731
Adapter DIN EN 175301-803 from Form A to Form B for Type 02 | 833-064154
Programming adapter | X90850164500300