Proportional pressure reducing valve, pilot operated

Type DRE6X

Nominal size 6
Unit series 1X
Maximum working pressure P 315 bar, T 250 bar
Maximum flow rate 40 l/min

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Features

- Pilot operated valves for reducing system pressure at the consumer (pilot oil internal only)
- 3-way version (P–A/A–T), \( p_{\text{min}} = p \) in T
- Adjustable by means of the solenoid current, see Characteristic Curve, Technical Data and selected valve electronics
- Solenoid type \( I_{\text{max}} = 0.8 \) A
- Pressure limitation to a safe level even with faulty electronics (solenoid current \( I > I_{\text{max}} \))
- For subplate attachment, mounting hole configuration to ISO 4401-03-02-0-94
  Subplates as per catalog sheet RE 45053 (order separately)
- Plug-in connector to DIN 43650-AM2 included in scope of delivery
- External trigger electronics with ramps and valve calibration in the following versions/designs (order separately)
  - Plug, setpoint 0...+10 V or 4...20 mA, RE 30264
  - Module, setpoint 0...+10 V, RE 30222
  - Europe card, setpoint 0...+10 V, RE 30109
Ordering data

<table>
<thead>
<tr>
<th>DRE6</th>
<th>X-1X/</th>
<th>M</th>
<th>G24-8</th>
<th>N</th>
<th>Z4</th>
<th>M</th>
<th>*</th>
</tr>
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Proportional 3-way pressure reducing valve NG6, pilot operated

Mounting hole configuration to ISO 4401-03-02-0-94

Unit series 10 to 19
(10 to 19: installation and connection dimensions unchanged)

Max. pressure stage
- up to 75 bar = 75
- up to 175 bar = 175
- up to 310 bar = 310

Without non-return valve = M

Voltage supply of trigger electronics = G24
24 V DC

Further information in plain text

M = NBR seals, suitable for mineral oils (HL, HLP) to DIN 51524

Z4 = Electrical connection
Unit plug to DIN 43650-AM2
Plug-in connector included in scope of delivery

N = Manual auxiliary override

Solenoid type (current)

8 = Solenoid current 0.8 A max.

Preferred types

<table>
<thead>
<tr>
<th>Solenoid 0.8 A</th>
<th>Material Number</th>
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<tbody>
<tr>
<td>Type</td>
<td></td>
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<tr>
<td>DRE6-1X/75MG24-8NZ4M</td>
<td>0 811 402 059</td>
</tr>
<tr>
<td>DRE6-1X/175MG24-8NZ4M</td>
<td>0 811 402 055</td>
</tr>
<tr>
<td>DRE6-1X/310MG24-8NZ4M</td>
<td>0 811 402 058</td>
</tr>
</tbody>
</table>

Symbol

For external trigger electronics

\[ P \]

\[ T \]