Installation Guide

Solenoid Valve
Types EVR 32, EVR 40

Refrigerants:
R22/R407C, R404A/R507,
R410A, R134a, R407A, R23.
For other refrigerants, please contact Danfoss.

Max. working pressure: 400 psig (28 bar)
Max. test pressure: 650 psig (45 bar)
Refrigerant temperature: Min. -40 °F (-40 °C)
Max. 220 °F (105 °C)

Ambient temperature: Min. -40 °F (-40 °C)
Max. 122 °F (50 °C)

Valve and coil
EVR 32, EVR 40
Conduit boss
Junction box

Mounting position

Caution
Wiring and fusing (when used) must comply with prevailing local and national wiring codes and ordinances.

Warning
Never switch on power to the coil when the coil is dismounted from the valve. Otherwise the coil may be damaged and there is risk of injuries and burns.

Soldering of copper connections
Max. 300 °F (150 °C)
Max. 1300 °F (700 °C)

Transformer selection

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>208 – 240 V</td>
<td>50 Hz</td>
<td>49</td>
<td>14</td>
</tr>
<tr>
<td>230 V</td>
<td>50 Hz</td>
<td>49</td>
<td>17</td>
</tr>
<tr>
<td>110 V</td>
<td>50 – 60 Hz</td>
<td>49</td>
<td>16</td>
</tr>
<tr>
<td>120 V</td>
<td>60 Hz</td>
<td>49</td>
<td>15</td>
</tr>
<tr>
<td>24 V</td>
<td>50 – 60 Hz</td>
<td>49</td>
<td>14</td>
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Tightening torques

<table>
<thead>
<tr>
<th></th>
<th>[Nm]</th>
<th>[Kpm]</th>
<th>[ft-lbs]</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>12</td>
<td>1.2</td>
<td>9</td>
</tr>
<tr>
<td>B</td>
<td>50</td>
<td>5.0</td>
<td>37.5</td>
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</tbody>
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Valve and coil construction

Cut-away

Mounting of piston

Mounting of omega spring