Danfoss Power solutions (DPS) has more than 40 years of experience in market leading solutions for your application.

Our product portfolio contains a big variety of different product types which gives the opportunity to create sub-systems by combining two different DPS products.

The JS1-H joystick and our proportional valve group PVG could be one of these sub-systems. With its setup simplicity when it’s best, it gives perfect controllability of the application and a very positive person to machine interaction.

**Features**

- Operator Presence switch
- Multiple output options
- Simultaneous operation of two proportional rollers
- Hall effect with two sensors per axis or long-life potentiometer position sensing
- Modular PVG concept
- For all PVG types 16-32-100-128-256
- Flow 5-500 l/min [1.3-132 US gal/min]
- Works with both compensated and uncompensated basic modules

Comprehensive technical literature is online at [www.danfoss.com](http://www.danfoss.com)

Search for literature numbers:
- **JS1-H Technical Information** - BC00000347
- **PVG 32 Technical Information** - BC00000038
Power feedback line is needed to ensure same reference point JS1-H vs PVE. There could be a difference in voltage due to voltage drop in the line from the power supply.
### DEUTSCH DTM 04 Connector Pin Description

<table>
<thead>
<tr>
<th>Connector</th>
<th>Pin 1</th>
<th>Pin 2</th>
<th>Pin 3</th>
<th>Pin 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEUTSCH</td>
<td>Us</td>
<td>Error</td>
<td>Ground</td>
<td>Power</td>
</tr>
<tr>
<td>AMP</td>
<td>Us</td>
<td>Power</td>
<td>Ground</td>
<td>Error</td>
</tr>
<tr>
<td>DIN/Hirschmann</td>
<td>Power</td>
<td>Us</td>
<td>Error</td>
<td>Ground</td>
</tr>
</tbody>
</table>

### JS1-H Pin Description (DEUTSCH DTM 04 Connector)

<table>
<thead>
<tr>
<th>Pin 1</th>
<th>Pin 2</th>
<th>Pin 3</th>
<th>Pin 4</th>
<th>Pin 5</th>
<th>Pin 6</th>
<th>Pin 7</th>
<th>Pin 8</th>
<th>Pin 9</th>
<th>Pin 10</th>
<th>Pin 11</th>
<th>Pin 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground</td>
<td>Power</td>
<td>CAN High</td>
<td>CAN Low</td>
<td>CAN Shield</td>
<td>Proportion al Y</td>
<td>Proportion al X</td>
<td>Proportion al 3</td>
<td>Push 7</td>
<td>Push 8</td>
<td>PVE Power</td>
<td>PVE power feedback</td>
</tr>
</tbody>
</table>

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