EMD Speed Sensor for Orbital motors

• Available for following LSHT-motors: OMM, OMP, OMR, OMS, OMT, OMV, TMK, TMT and TMV
• Flexible and adaptable speed sensor solution that covers many application needs
• Speed and Direction output
• Highest resolution in the market
• Easy mounting
• Sensor is not in contact with oil making it robust and exchangeable in the field
• Compact design
• Patented Design
• IP 69K

Features

• EMD speed sensor up to 180 pulses/rev
• PLUS+1® Compliant
• Rotation speed and direction output available
• Speed range up to 2500 rpm
• Push-pull amplifier
• CAN output signal
• DEUTSCH DT connector – 6 pin

Comprehensive technical literature online at powersolutions.danfoss.com
## Sensor Pinout

### DEUTSCH DT connector – 6 pin

<table>
<thead>
<tr>
<th>Pin</th>
<th>Controller function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power supply 9-36 V dc</td>
</tr>
<tr>
<td>2</td>
<td>Power ground</td>
</tr>
<tr>
<td>3</td>
<td>D1 output</td>
</tr>
<tr>
<td>4</td>
<td>CAN L</td>
</tr>
<tr>
<td>5</td>
<td>CAN H</td>
</tr>
<tr>
<td>6</td>
<td>D2 output</td>
</tr>
</tbody>
</table>

### Warning

Please note that the EMD speed sensor may fail. Output signals may not represent correct rotation speed or direction. Any application of the EMD speed sensor should be subjected to appropriate hazard and risk assessment, according to relevant safety standards for the application. Reliability data MTTFd for the EMD speed sensor are available on request from your Danfoss representative.

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.