**FACT SHEET**

**Fieldbus communication PROFINET**

PROFINET is a complete communication module which enables your products to communicate on a PROFINET IRT network. The module supports very fast communication speeds, making it suitable also for high-end industrial devices.

**Fast and easy communication**

PROFINET (profinet acronym for Process Field Net) is an industry technical standard for data communication over Industrial Ethernet, designed for collecting data from, and controlling, equipment in industrial systems, with a particular strength in delivering data under tight time constraints (on the order of 1ms or less). The anybus module have solid security to prevent unauthorized software to be downloaded to the module. Furthermore, encryption is used to prevent illicit copying.

**Technical Details**

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>52x50x22 mm, 2.04x1.97x0.86”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection class</td>
<td>IP20</td>
</tr>
<tr>
<td>RoHS Compliance</td>
<td>Yes</td>
</tr>
<tr>
<td>Galvanically isolated network interface</td>
<td>Yes</td>
</tr>
<tr>
<td>Profile support</td>
<td>I/O, Drives, Energy, Safety (black channel)</td>
</tr>
<tr>
<td>LED indicator</td>
<td>Integrated on front (with housing), via application interface (without housing). Indicates Module Status and Network Status.</td>
</tr>
</tbody>
</table>

**Certifications**

UL, cUL

Network conformance

**CE - Declaration of Pre-Conformity**

Emission EN 61000-6-4

EN55016-2-3 Radiated emission

EN55022 Conducted emission

Immunity EN 61000-6-2

EN61000-4-2 Electrostatic discharge, EN61000-4-3 Radiated immunity. EN61000-4-4 Fast transients/burst, EN61000-4-5 Surge immunity. EN61000-4-6 Conducted immunity.

**Electrical Characteristics**

Power requirements: 3.3 VDC, +/- 0.15 VDC

**Environmental Characteristics**

Operating temp: -40 to 70 °C, -40 to 158 °F

Humidity: 5-95 % non-condensing

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For more information, please contact your local ABB representative or visit https://new.abb.com/drives/softstarters

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