**Basic components > Series KSM100 > KSM 100-2-CN**

**Product KSM 100-2-CN**

**Description**
Open programmable safety PLC for machinery and plant construction. The module can be enhanced up to 130 safe I/Os and up to 12 axes.

**Order information**
Kollmorgen Europe GmbH

**Mechanical data**
- Size (H x W x D): 100 x 115 x 135
- Weight: 400 g
- Mounting: Snap-on mounting on standard rail
- Max. terminal cross-section: 1.5 mm²

**Technical data**

<table>
<thead>
<tr>
<th>Safety characteristics</th>
<th>General data</th>
</tr>
</thead>
<tbody>
<tr>
<td>In accordance to EN 13849</td>
<td>Max. number of extension modules: 8</td>
</tr>
<tr>
<td>Input/Output</td>
<td>Interface for extension modules: 1 bus connector compact assembly (KSM 1) fine, extension module (selectable assembly)</td>
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<tr>
<td>Field interface</td>
<td>Safe digital input line: 8 and 900 mVDC</td>
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<tr>
<td>Safe digital I/Os</td>
<td>Safe digital outputs: 8</td>
</tr>
<tr>
<td>Safe analog inputs</td>
<td>Safe analog outputs: 8</td>
</tr>
<tr>
<td>Safe multifunctions</td>
<td>Standard output lines: 8</td>
</tr>
<tr>
<td>Safe multifunctions</td>
<td>Pulse output lines (cross-shunt cut detection): 4</td>
</tr>
<tr>
<td>Type of connectors</td>
<td>Programmable terminals</td>
</tr>
</tbody>
</table>

**Electrical data**
- Supply voltage: 24 VDC/2A
- Power consumption: Max. 250 mA
- Rated digital input: 24 VDC 25 mA, typ. 1 in accordance to DIN 13131-2
- Rated digital output: 24 VDC/2A and 230 VAC/2A
- Pulse output lines (cross-shunt cut detection): Max. 250 mA

**Environmental data**
- Temperature: 0°C to 50°C, operational temp., -10°C to 70°C for storage temp.
- Protection rating: IP 32
- Climate class: 3 P in accordance to EN 60715
- EMC: According to EN 61800-3 and EN 61000-6-2

**CANopen communication device used to exchange non-safe data between KSM module and non-safe control systems. The configuration of the non-safe data via SafePLC of modular device. The device must be parameterized as a CANopen slave device.**