Preventa safety modules

XPSAF
For Emergency stop and switch monitoring

Catalogue

june 2014
Operating principle

Preventa safety modules XPSAF meet the requirements of Performance Level PL e/Category 4 conforming to standard EN/ISO 13849-1. They are used for:

- Monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1.
- Electrical monitoring of switches activated by protection devices conforming to standard EN/ISO 14119.
- Housed in a compact enclosure, the modules have 3 safety outputs.
- Preventa safety modules XPSAF incorporate removable terminal blocks, thus optimising machine maintenance.
- To aid diagnostics, the modules have 3 LEDs on the front face which provide information on the monitoring circuit status.
- The Start button monitoring function is configurable depending on the wiring.

Maximum achievable safety level

- PL e/Category 4 conforming to EN/ISO 13849-1
- SIL CL3 conforming to EN/IEC 61508 and EN/IEC 62061

Product certifications

- UL
- CSA
- TÜV

References

<table>
<thead>
<tr>
<th>Description</th>
<th>Connection</th>
<th>Number of safety circuits</th>
<th>Supply</th>
<th>Reference</th>
<th>Weight</th>
<th>kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety modules for Emergency stop and switch monitoring</td>
<td>Captive screw clamp terminals Terminal block integrated in module</td>
<td>3</td>
<td>~ and 24 V</td>
<td>XPSAF5130</td>
<td></td>
<td>0.250/0.551</td>
</tr>
<tr>
<td></td>
<td>Captive screw clamp terminals Terminal block removable from module</td>
<td>3</td>
<td>~ and 24 V</td>
<td>XPSAF5130P</td>
<td></td>
<td>0.250/0.551</td>
</tr>
</tbody>
</table>
Preventa safety modules
Type XPSAF
For Emergency stop and switch monitoring

Wiring diagram and Functional Diagram are available on the “e-Shop” via the partnumber.

Operating principle, references

Preventa safety modules
Type XPSAF
For Emergency stop and switch monitoring

Operating principle

Safety modules XPSAF meet the requirements of Performance Level PL e/Category 4 conforming to standards EN/ISO 13849-1.

They are used for:
- Monitoring emergency stop circuits conforming to standards EN/ISO 13849 and EN/IEC 62061-1.
- Electrical monitoring of switches activated by protection devices conforming to standard EN/ISO 14119.
- Electromechanical modules XPSAF are self-contained, removable terminal blocks; thus simplifying machine automation.
- To avoid malfunctions, the modules have 3 LEDs on the front face which provide information on the monitoring circuits.

References

<table>
<thead>
<tr>
<th>Description</th>
<th>Connection</th>
<th>Example of safety circuits</th>
<th>Supply</th>
<th>Reference</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety module for monitoring switches</td>
<td>Captive screw clamp terminals</td>
<td>Housed in a compact enclosure</td>
<td>XPSAF5130</td>
<td>XPSAF5130P</td>
<td>0.250/0.551 kg</td>
</tr>
</tbody>
</table>

They are used for:
- Monitoring emergency stop circuits conforming to standards EN/ISO 13849 and EN/IEC 62061-1.
- Electrical monitoring of switches activated by protection devices conforming to standard EN/ISO 14119.
- Electromechanical modules XPSAF are self-contained, removable terminal blocks; thus simplifying machine automation.
- To avoid malfunctions, the modules have 3 LEDs on the front face which provide information on the monitoring circuits.

Supplied references:
- UL 508
- CSA
- TÜV

Preventa safety modules meet the requirements of Performance Level PL e/Category 4 conforming to standard EN/ISO 13849-1.

For switch monitoring and switch monitoring:

Safety modules XPSAF feature removable terminal blocks, thus optimising machine automation.

Captive screw clamp terminals, insertable in module.

Supply Reference Weight

38703-EN

version: 1.0
The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Design: Schneider Electric
Photos: Schneider Electric

Head Office
35, rue Joseph Monier
F-92500 Rueil-Malmaison
France

More information on
http://www.schneider-electric.com/machinesafety