Preventa XPS
Safety modules
XPSAXE, XPSAC
For Emergency stop and switch monitoring - Category 0

Catalog
July 2019
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Preventa XPS
Safety modules

- Type XPSAXE,
  For Emergency stop and switch monitoring
  - Operating principle,
  - References ........................................................................................................ page 2

- Type XPSAC,
  For Emergency stop and switch monitoring
  - Operating principle,
  - References ........................................................................................................ page 4

- Product reference index
  - Index............................................................................................................. page 6
Preventa XPS
Safety modules
XPSAXE for Emergency stop and switch monitoring

Operating principle

Safety modules XPSAXE are used for monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1 and also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to standard EN/ISO 14119.

- They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit itself.
- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.
- The XPSAXE module has 3 safety outputs and a relay output for signalling to the PLC.

Maximum achievable safety level

- PL e/Category 4 conforming to EN/ISO 13849-1
- SILCL3 conforming to EN/IEC 61508 and EN/IEC 62061

Product certifications

- UL
- CSA
- BG

References

<table>
<thead>
<tr>
<th>Description</th>
<th>Connection</th>
<th>Number of instantaneous opening safety circuits</th>
<th>Additional outputs</th>
<th>Supply</th>
<th>Reference</th>
<th>Weight kg/lb</th>
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<tr>
<td>Safety modules for Emergency stop and switch monitoring</td>
<td>Captive screw clamp terminals Terminal block removable from module</td>
<td>3</td>
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<td>~ and 24 V</td>
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<td>0.229/0.505</td>
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Spring terminals
Terminal block removable from module

3 | 1 relay | ~ and 24 V | XPSAXE5120C | 0.229/0.505 |
Operating principle, references

Preventa safety modules
Type XPSAXE
For Emergency stop and switch monitoring

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Operating principle

Safety modules XPSAXE are used for monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1 and also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to standards EN/ISO 11997.

- They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit.
- The XPSAXE module has 3 safety outputs and a relay output for signalling to the PLC. It provides protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit.
- The XPSAXE module has 3 safety outputs and a relay output for signalling to the PLC.

- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.

- The XPSAXE module has 3 safety outputs and a relay output for signalling to the PLC.

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Preventa XPS Safety modules
XPSAXE for Emergency stop and switch monitoring

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Click on a partnumber, the hyperlink opens the web.

> Click on “Documents & Download”

Wiring diagram and Functional Diagram are available on the web via the partnumber.

> Click on “Instruction sheet”

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<table>
<thead>
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<td>3</td>
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**Operating principle**
Safety modules XPSAC are used for monitoring Emergency stop circuits conforming to standards EN/ISO 13850 and EN/IEC 60204-1 and also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to standard EN/ISO 14119.

- They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit itself.
- To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status.
- The XPSAC module has 3 safety outputs and a solid-state output for signalling to the PLC.

**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

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<table>
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Preventa XPS
Safety modules
XPSAC for Emergency stop and switch monitoring

Wiring diagram and Functional Diagram are available on the web via the partnumber.

Operating principle, references
Preventa safety modules Type XPSAC
For Emergency stop and switch monitoring

Operating principle
Safety modules XPSAC are used for monitoring emergency stop circuits conforming to standards EN ISO 13850 and EN/IEC 60204-1. They also meet the safety requirements for the electrical monitoring of switches in protective devices conforming to EN ISO 14119. They provide protection for both the machine operator and the machine by immediately stopping the dangerous movement on receipt of a stop instruction from the operator, or on detection of a fault in the safety circuit. They have additional safety outputs which provide information on the monitoring circuit status. The XPSAC module has 3 safety outputs and a solid-state output for signalling to the PLC.

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 certification
- UL
- CSA
- TÜV

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</table>

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## Preventa XPS

Safety modules

XPSAXE, XPSAC

For Emergency stop and switch monitoring - Category 0

Product reference index

<table>
<thead>
<tr>
<th>Code</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>XPSAC1321</td>
<td>4</td>
</tr>
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