

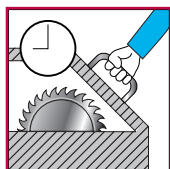
# Preventa safety modules

For safety time delays - Category 1

**XPSTSA, XPSTSW**

Catalog

October **2015**



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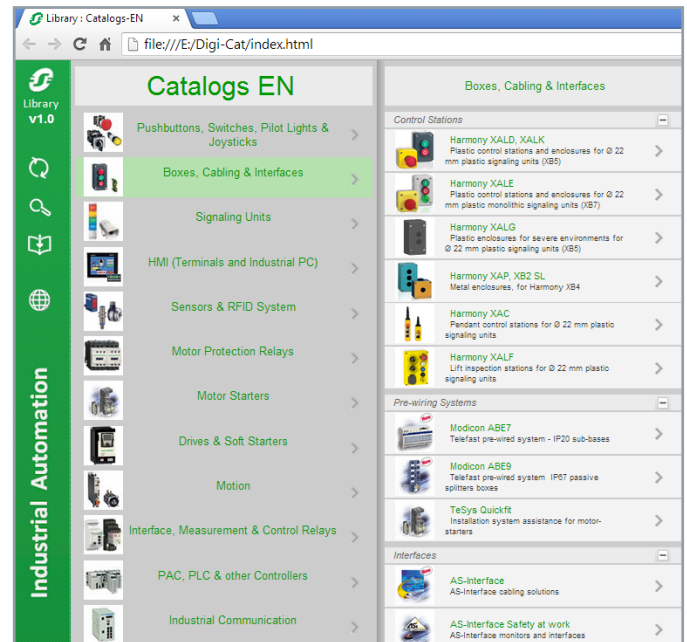
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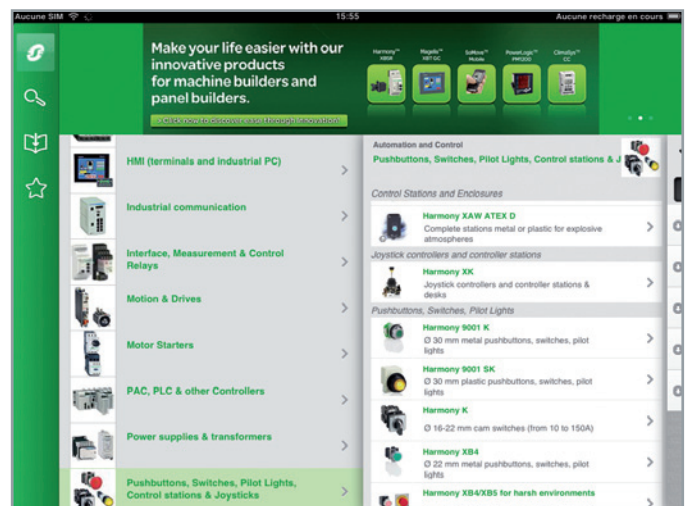
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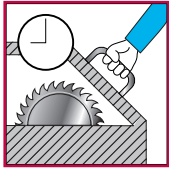


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## Preventa safety modules

### For safety time delays - Category 1

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### Operating principle

Safety modules **XPSTSA** are used in applications requiring safety time delays: applications with interlocking on high inertia machines with long rundown time (guards unlocked after safety time delay has elapsed).

The time delay of safety circuits can be set to 16 preset values, using 2 selectors located on the front face of the modules.

To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status and 2 solid-state outputs for signalling to the process PLC.

In addition, their removable terminal blocks optimise machine maintenance.

### Maximum achievable safety level

- PL d/Category 3 conforming to EN/ISO 13849-1
- SILCL 2 conforming to EN/IEC 62061

### Product certifications

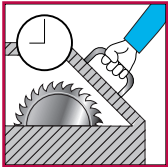
- UL
- CSA
- TÜV

### References

Description	Connection	Number of safety circuits	Additional outputs / Solid-state outputs to PLC	Supply	Reference	Weight kg/ lb
Safety modules for applications with interlocking on high inertia machines	Captive screw clamp terminals Terminal block removable from module	1 delayed	2 NC / 2	~ and ~ 24 V	<b>XPSTSA5142P</b>	0.250/ 0.551
				~ 115 V	<b>XPSTSA3442P</b>	0.360/ 0.774
				~ 230 V	<b>XPSTSA3742P</b>	0.360/ 0.774



XPSTSA●●●●P



### Operating principle

Safety modules **XPSTSW** are used in applications requiring safety time delays: applications with a safety switchover contact (shunting contact in association with XPSVN modules for zero speed detection, solenoid valve monitoring, etc.).

The time delay of safety circuits can be set to 16 preset values, using 2 selectors located on the front face of the modules.

To aid diagnostics, the modules have LEDs which provide information on the monitoring circuit status and 2 solid-state outputs for signalling to the process PLC. In addition, their removable terminal blocks optimise machine maintenance.

### Maximum achievable safety level

- PL d/Category 3 conforming to EN/ISO 13849-1
- SILCL 2 conforming to EN/IEC 62061

### Product certifications

- UL
- CSA
- TÜV

### References

Description	Connection	Number of safety circuits	Additional outputs / Solid-state outputs to PLC	Supply	Reference	Weight kg/ lb
Safety modules for applications with safety switchover contact	Captive screw clamp terminals Terminal block removable from module	1 pulse type	2 NC / 2	~ and ~ 24 V	<b>XPSTSW5142P</b>	0.250/ 0.551
				~ 115 V	<b>XPSTSW3442P</b>	0.360/ 0.774
				~ 230 V	<b>XPSTSW3742P</b>	0.360/ 0.774



XPSTSW●●●●P

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