

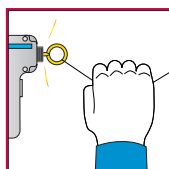
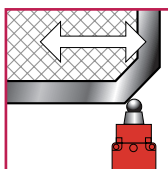
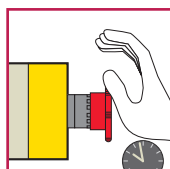
Preventa safety modules

XPSATE

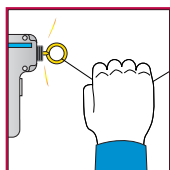
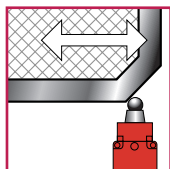
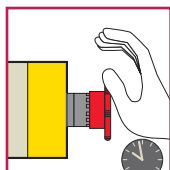
For Emergency stop and switch monitoring

Catalogue

june 2014



Schneider
Electric



Operating principle

Safety modules **XPSATE** 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 protection devices conforming to standard EN/ISO 14119.

They provide protective 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.

In addition to the stop category 0 instantaneous opening safety outputs (2 for **XPSATE**), the modules incorporate stop category 1 time delay outputs (3 for **XPSATE**) which allow for controlled deceleration of the motor components until a complete stop is achieved (for example, motor braking by variable speed drive).

At the end of the preset delay, the supply is disconnected by opening the time delay output circuits.

- The time delay of the 3 output circuits is adjustable between 0 and 30 seconds using a 12-position selector switch.
- Module **XPSATE** incorporates 4 solid-state signalling outputs for signalling to the process PLC.
- To aid diagnostics, the modules have LEDs 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 (instantaneous safety outputs) and PL d/Category 3 (time delay safety outputs) conforming to EN/ISO 13849-1
- SILCL3 (instantaneous safety outputs) and SILCL2 (time delay safety outputs) conforming to EN/IEC 61508 and EN/IEC 62061

Product certifications

- UL
- CSA
- TÜV

References

Description	Connection	Number of safety circuits	Additional outputs	Setting range of time delay	Supply	Reference	Weight kg/lb
Safety modules for Emergency stop and switch monitoring	Captive screw clamp terminals Terminal block integrated in module	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ and 24 V	XPSATE5110	0.280/ 0.617
	Captive screw clamp terminals Terminal block removable from module	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ and 24 V	XPSATE5110P	0.280/ 0.617
	Captive screw clamp terminals Terminal block integrated in module	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ 115 V	XPSATE3410	0.380/ 0.838
	Captive screw clamp terminals Terminal block removable from module	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ 115 V	XPSATE3410P	0.380/ 0.838
	Captive screw clamp terminals Terminal block integrated in module	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ 230 V	XPSATE3710	0.380/ 0.838
	Captive screw clamp terminals Terminal block removable from module	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ 230 V	XPSATE3710P	0.380/ 0.838



XPSATE5110

Preventa safety modules

Type XPSATE

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 XPSATE For Emergency stop and switch monitoring

Operating principle

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They provide protective 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. In addition to the stop category 0 instantaneous opening safety outputs (2 for XPSATE), the modules incorporate stop category 1 time delay outputs (3 for XPSATE) which allow for controlled deceleration of the motor components until a complete stop is achieved (for example, motor braking by variable speed drive).

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

- PL d/Category 4 (instantaneous safety outputs) and PL d/Category 3 (time delay safety outputs) conforming to EN/IEC 61508

TUV

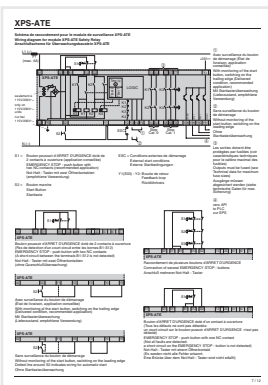
References

Description	Connection	Number of safety circuits	Additional outputs	Setting range of time delay	Supply	Reference	Weight kg/lb
Safety modules for Emergency stop and switch monitoring	Captive screw clamp terminals	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ and ~ 24 V	XPSATE5110	0.280/0.617
	Terminal block removable from module	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ and ~ 24 V	XPSATE5110	0.280/0.617
	Captive screw clamp terminals	5 NO (3 NO time delay)	4 solid-state	0...30 s	~ 115 V	XPSATE5110P	0.380/0.838
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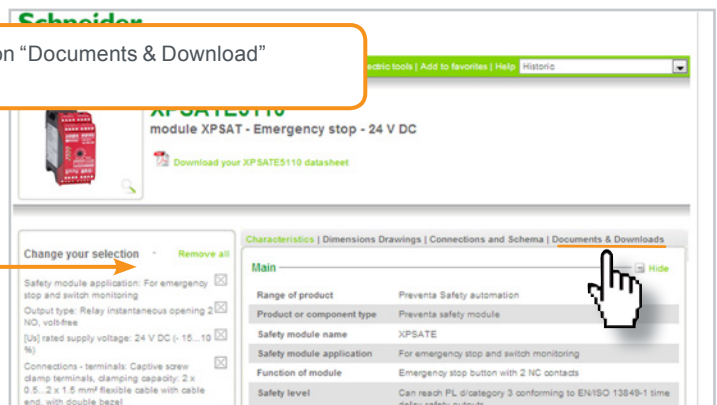
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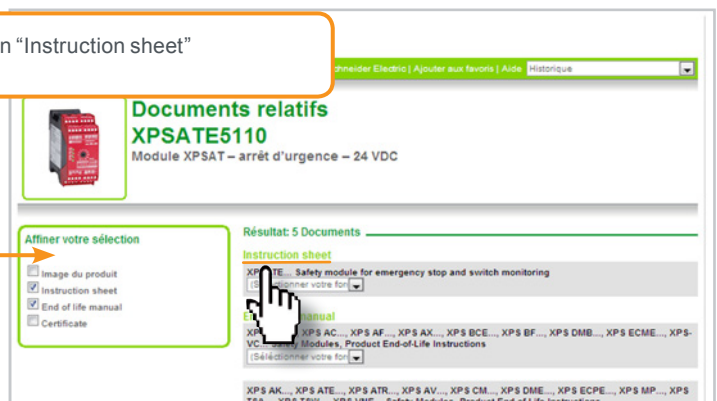
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More information on
<http://www.schneider-electric.com/machinesafety>

Schneider Electric Industries SAS

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

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