



Preventa XPS Safety Modules

Part of **Modicon**

Safety modules



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Features

Optimum solutions

Monitoring of a single safety function. This solution provides the optimum answer for monitoring a function such as:

Emergency stop and switches

Coded magnetic switches

Enabling switch

Sensing mats and edges

Two-hand control

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Time delay

Other applications on hydraulic and eccentric presses.

Removable terminal block version modules.

Benefits

Better anticipation for greater protection

Simple, they feature redundancy principle micro-processor based technology to provide advanced functions.

Wide product range enabling easy selection of a module for monitoring a safety function.

Applications

All potentially dangerous machines requiring protection for both the operator and the machine.

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Preventa XPS MP, XPS MC, XPS MCM Safety controllers

Part of **Modicon**

Achieve benchmark performance while increasing profitability with Preventa safety controller.



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Features

Schneider Electric is the provider of the complete safety chain covering all the safety functionality and scalability you need for your machine to improve efficiency and profitability. Preventa offers an extensive range of safety products, compliant with international standards, designed to provide the most comprehensive protection for personnel and equipment.

Safety controller modules Preventa XPS MP are designed for a Performance Level of up to PL e/Category 4 conforming to standard EN ISO 13849-1. They enable two independent safety functions (selected from a choice of 15 pre-defined configurations) to be performed using the same product. Configuration selection is easily made using three buttons on the front face of the module.

Configurable safety controller Preventa XPS MC is designed to provide a solution for safety applications requiring conformity to Performance Level PL e/Category 4 EN ISO 13849-1 and SIL3 EN/IEC 61508. The configurable controller consists of six variants with 16 or 32 digital inputs and 8 digital outputs (6 solid state, 2 category 4 relays) and communication possibilities of Modbus

RTL Serial, Modbus RTL Serial and Profibus DP, Modbus RTU Serial and CANopen. The safety controller Preventa XPS MC is configured with a simple software environment where functions are mapped to the various controller outputs according to the application requirements.

Modular safety controller Preventa XPS MCM is designed to provide a solution for safety applications requiring conformity to Performance Level PL e/Category 4 EN ISO 13849-1 and SIL3 EN/IEC 61508. The modular and configurable safety controller is able to monitor multiple safety functions on and around a machine protecting operators from accessing dangerous moving parts of the machine. The controller consists of 8 digital inputs, 2 digital outputs and is extendible up to 128 digital inputs and 16 digital outputs (relay or solid state). Up to 8 axis for measurement of maximum speed, speed range, zero speed and direction by proximity sensors or encoders can be managed. The controller can be expanded directly on its' backplane bus and as well via the safe expansion bus of up to 6 islands and 50 meters between islands.

These safety controller are designed for monitoring multiple safety functions such as:

Emergency stop

Guard monitoring

Perimeter guarding

Position monitoring

Speed monitoring

Enabling movement

The Preventa range is part of **MachineStruxure**. The NEXT generation of MachineStruxure™ from Schneider Electric is an intuitive solution for machine automation with all the features and functions you need to build machines that will improve your bottom line. From design and development, to commissioning and maintenance, MachineStruxure is a complete machine building solution with benefits all through the machine life cycle. Schneider Electric - the provider of the complete safety chain powered by Preventa technology helping you simply to reach the right level of safety for your machine!

Benefits

Select always the best safety function for your machine

Reduce time-to-market

Offers designed specifically meeting the 6 safety functions required on your machine

Increase profitability

Safety designed from standalone components to embedded safety network solutions

One partner for the complete safety chain covering the complete range of safety functions

Simplify integration & maintenance

Wide range of connections for machine controllers

Expertise, support, training and consulting available from our safety experts worldwide

Preventa - Complete Machine Safety Chain Solutions



Applications

Discover the provider of the **complete safety chain** powered by Preventa technology. Helping you simply to reach the right level of safety for your machine!

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