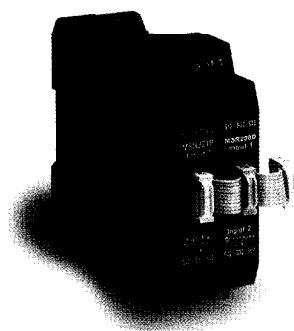


Modular Safety Monitoring Relays

product



New

CE

Minotaur MSR221P

The MSR221P is an input expansion module for the modular Minotaur MSR200 family of monitoring safety relays. It can be connected to either the MSR210P or MSR211P to provide additional inputs.

Up to 10 input modules can be connected to a base unit by simply removing the terminator, included with each base unit, and connecting the ribbon cables of the neighboring module. The connecting ribbon cable provides power to the MSR220P as well as a check on its status. The terminators must be inserted into the final output module. The input modules to a base unit can be either MSR220P or MSR221P in any combination or order.

The MSR221P has two dual channel inputs, which can be wired in one of three ways: 1N.C., 2 N.C. or a light curtain. When connected in the 2 N.C. configuration, the MSR221P does not perform crossfault monitoring (i.e., checks for shorts between the 2 inputs).

Four LEDs provide status information on the inputs. Green indicates the input is closed and red indicates the input is open.

features

- 17.5mm DIN rail housing
- 2 Input circuits: gate, e-stop or light curtains
- 4 Diagnostic LEDs
- Removable terminals

specifications

Standards	IEC/EN60204-1, ISOTR12100, ISO13849-1 (EN 954-1)
Approvals	CE marked for all applicable directives
Power Supply	24V DC from the base unit
Power Consumption	2W
Safety Inputs	1 N.C., 2 N.C., Light curtain
Input Simultaneity	Infinite
Maximum Input Resistance	1300ohms
Indication LEDs	Green = Input 1 Closed Red = Input 1 Open Green = Input 2 Closed Red = Input 2 Open
Impulse Withstand Voltage	2500V
Pollution Degree	2
Operating Temperature	-5°C to +55°C (+23°F to 131°F)
Humidity	90%RH
Enclosure Protection	IP40 (NEMA 1)
Terminal Protection	IP20
Conductor Size	0.2 4mm ² (24 12 AWG)
Torque Settings—terminal screws	0.4–0.5 Nm (3.54–4.43lbin)
Case Material	Polyamide PA 6.6
Mounting	35mm DIN rail
Weight	95g (0.21lbs)
Vibration	10-55 Hz, 0.35mm
Shock	10g, 16ms, 100 shocks

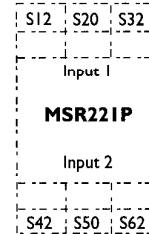
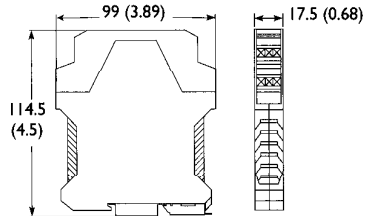


Modular Safety Monitoring Relays

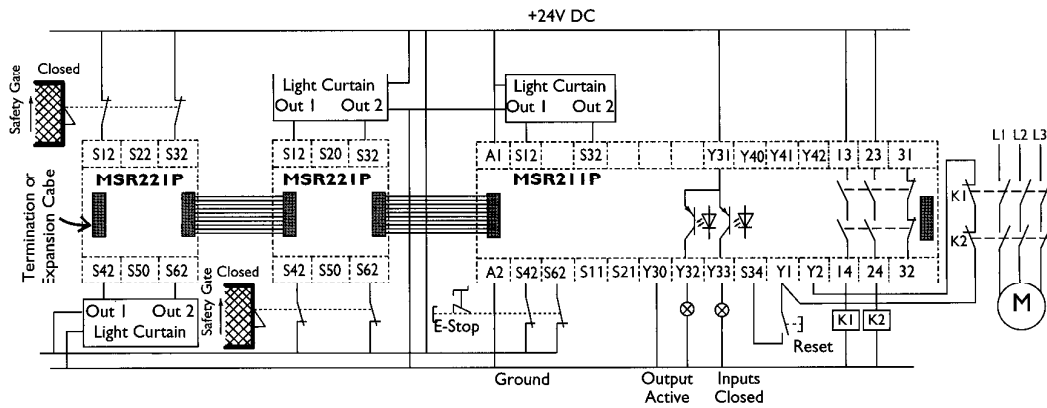
Inputs	Catalog Number
1 N.C. or 2 N.C. or Light Curtain	440R-H23179

dimensions

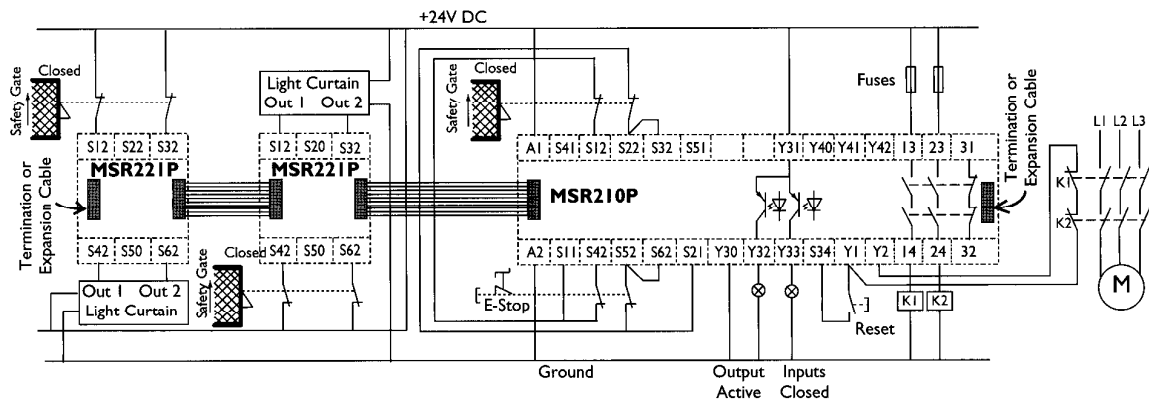
block diagram



application details (typical)



*Safety Mat and Dual Channel E-Stop,
Monitored Manual Reset, Monitored Output*



*Light Curtain, Dual Channel Safety Gates and E-Stop,
Monitored Manual Reset, Monitored Output*

