Safety Monitoring Relays SR203M & SR203AM

Dual-Channel Safety Monitoring Relay

- Power requirements—the SR203M/A will accept 24 VAC/DC or 115 VAC
- Inputs—the SR203M/A will accept single or dual N/C inputs or dual PNP inputs from a light curtain
- Outputs—the SR203M/A has 3 N/O outputs to route power to the coils of power contactors, plus 1 N/C auxiliary output for signaling purposes
- External Device Monitoring (EDM) is provided with a N/C loop between S12 and S34 on the SR203M/A
- Monitored manual reset model SR203M or automatic reset model SR203AM
- The SR203M/A have removable terminal blocks



Specifications

Electrical	All Models	SR203M01 & SR203AM01	SR203M02 & SR203AM02			
Power Supply:	±10%, 50-60 Hz	24 VAC/DC	115 VAC			
Power Consumption:	Approx. 2 W					
Safety Inputs:	1 N/C or 2 N/C or 2 PNP (light curtain)					
Outputs:	3 N/O safety, 1 N/C auxiliary					
Output Rating AC:	Inductive AC-15, 5 A/23	0 VAC				
Output Rating DC:	Inductive DC-13, 3 A/24 VDC					
Min Switched Current/Voltage:	10 mA/10 V					
Impulse Withstand Voltage:	2500 V					
Max Drop-Out Time:	15 ms (while energized)					
Max Output Fuse:	10 A quick-acting or 6 A slow-acting					
Reset Mode:	Monitored manual (SR203M) or auto/manual (SR203A)					
External Device Monitoring (EDM):	N/C loop S12-S34					
Mechanical						
Mounting:	35 mm (1.38 in.) DIN rail					
Case Material:	Polyamide PA6.6					
Max Wire Size:	0.2 to 4 mm ² (24-12 AWG)					
Weight:		210 g (7.4 oz.)	260 g (9.2 oz.)			
Color:	Red					
External Switches:	None					
Indication:	Green = Power, Green = CH1 Closed, Green = CH2 Closed					
Mechanical Life:	2 x 10 ⁶ operations					
Environmental						
Enclosure Protection:	IP20 terminals, IP40 (NEMA 1) housing					
Operating Temperature:	-5 to 55°C (23 to 131°F)					
Humidity:	90% RH					
Compliance						
Standards:	EN 60204-1, EN 954-1, ISO TR12100					
Approvals/Listings:	CE marked for all applicable directives, UL and C-UL					
Reliability Data						
per EN ISO 13849-1:	Cat. 4, PLe, PFHd 1.45E	-09				

Specifications are subject to change without notice.

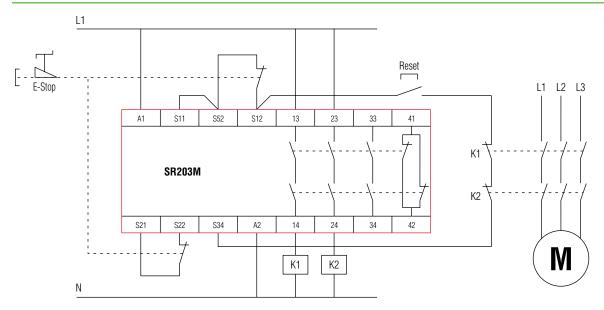
The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the guard closed, actuator in place, and the machine able to be started.



Conforms to EN60204-1, EN ISO 13849-1, ISO TR 12100 UL and C-UL listed



Application



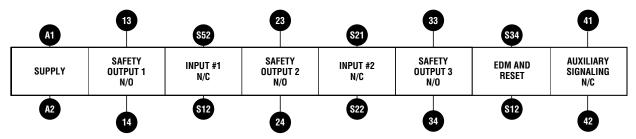
Output Contact Arrangements

Terminal Pin Assignments



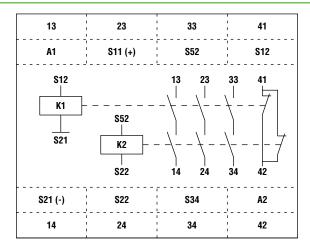
14	0	0	S21		A1	0	13
24		0	S22		S11		23
34			S34		S52		33
42			A2		S12		41

Terminal Connections



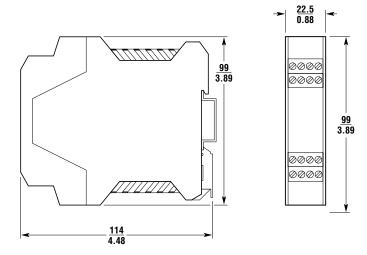


Block Diagram



Dimensions (mm/in.)

SR203M/A



Ordering

Model	Supply	Inputs	Outputs	Auxiliary	Part No.
SR203AM01	24 VAC/DC	2 N/C	3 N/O	1 N/C	44510-2031
SR203AM02	115 VAC	2 N/C	3 N/O	1 N/C	44510-2032
SR203M01	24 VAC/DC	2 N/C	3 N/O	1 N/C	44510-2034
SR203M02	115 VAC	2 N/C	3 N/O	1 N/C	44510-2035





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- and (ii) Buyer has no past due amounts.

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Omron: 44510-2031