

# Catalogue No: 440R-N23133

## MSR127RP 230VAC 1NC/2NC/LC-IN 3NO-SFTY 1NC-AUX MM RTB

Safety > Safety Controllers > Single Function Safety Relays > Allen-Bradley MSR Safety Relays > Single Function > Monitored / Manual Reset



Representative Photo Only  
(actual product may vary based on configuration selections)

MSR127RP 230V AC 1NC/2NC/Light Curtain Inputs 3NO Safety Outputs 1NC Auxiliary Outputs Monitored Manual Removable Terminals

- Support a wide variety of input devices and output configurations
- Compact packages with removable terminals
- Ideal for relatively small safety applications and single zone control
- Available in electromechanical versions or solid-state models

### SPECIFICATIONS

Product Series	Bul. 440R - MSR127RP
Safety stop category(s) (IEC/EN 60204-1)	IEC/EN 60204-1 Stop Category 0
Safety Stop Category	Stop Cat 0 safety
Safety Performance Level(s) (ISO13849:2006)	ISO 13849:2006 PL <sub>e</sub> ISO 13849:2006
Safety Performance Level	PL <sub>e</sub> safety
MTTF <sub>d</sub> (ISO 13849:2006)	398 years
SIL Claim(s) - Machinery (IEC/EN 62061)	IEC/EN 62061 SILCL3 IEC/EN 62061
SIL Claim, Machinery	SIL CL 3 machinery
Safety Category(s) (ISO13849:1999 / EN954)	EN 954 / ISO 13849:1999 Category 4 ISO 130849:1999
Safety Category	Cat 4 safety
Reset Type	Monitored Manual
Terminal Type	Removable (screw) Terminal Block
Mounting	DIN-35 Rail Mount
Material, Body / Housing	Nylon / PA6 / PA66 (Polyamide 6) material
Indicator Type	LED
Colour, Indicator	Green
Inputs	1 NC, 2 NC, 2 OSSD (Light curtain)
Output Configuration, Safety	3 NO
Output Configuration, Auxiliary	1 NC
Power ON delay	1 s
Response Time (Off → On)	15 ms
Unom, Supply Voltage, AC, Nom	230 V AC
Switching current, Min	10 mA
I <sub>e</sub> , Rated Operational Current, AC-1, 250V	5 A@250V
I <sub>e</sub> , Rated Operational Current, AC-15, 250V	5 A@250V
I <sub>e</sub> , Rated Operational Current, DC-1, 24V	5 A@24V
I <sub>e</sub> , Rated Operational Current, DC-13, 24V	3 A@24V
Power Consumption, Max	2 W

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Overvoltage Category	III
Wire / Conductor Size (Min)	0.20 mm <sup>2</sup> min
Wire / Conductor Size (Max)	4 mm <sup>2</sup>
Uimp, Impulse Withstand Voltage	2.5 kV
Tightening Torque, Min	0.6 Nm
Tightening Torque, Max	0.8 Nm
Pollution Degree	2
Operating Temperature, Max	55 °C max
Operating Temperature, Min	-5 °C min
Relative Humidity, Max	90 %RH
IP rating, body / housing	IP40
IP Rating, Terminals	IP20
Material, Contacts	Silver Tin Oxide (AgSnO <sub>2</sub> ) material
Mechanical Service Life	2000000 cycles
Height	99 mm
Width	22.5 mm
Depth	114.5 mm
Weight	0.26 kg
Shock Acceleration (Max.)	10 g
Shock Duration (Max.)	16 ms
Vibration Displacement (Peak to Peak Max.)	0.35 mm
Vibration Frequency, Operational (Max.)	55 Hz
Standards Compliance	ANSI B11.19 AS/NZS 4024 Category 4 AS/NZS 4024 PLe
Certifications	CE C-UL-US

### REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	<a href="#">440RN23133 Installation Instructions</a>
User Manual:	-
Manufacturer Datasheet:	<a href="#">440RN23133 Manufacturer Datasheet</a>
Manufacturer Catalogue & Product Selection:	-