

440RN23135

AB 440R MSR Safety Relay 24VAC/DC 1NC/2NC/LC-IN 3NO-SFTY 1NC-AUX MM RTB



Allen-Bradley

by ROCKWELL AUTOMATION

SAFETY LOGIC



| | |
|-----------------------|--|
| Component type | Device for monitoring of safety-related circuits |
| Range | MSR |
| Model | N/A |
| Product status | Existing |

The Allen-Bradley Single-Function and Specialty Relays are designed for small or single-zone safety applications. Ideal for safe speed control (MSR57), back EMF monitor (MSR55), safety control circuits involving light curtains, laser scanners, safety mats, interlock switches, guard locking interlocks, two-hand controls, safety edges, enabling devices and E-stop push buttons.

ELECTRICAL

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|--|------------------|
| Rated operation current I_e | 5.0 A |
| Rated operation current I_e at AC-15, 230 V | 5.0 A |
| Rated operation current I_e at DC-13, 24 V | 3.0 A |
| Voltage type for actuating | AC/DC |
| Control supply voltage U_s at DC | 24.0 V |
| Control supply voltage U_s at AC 50HZ | 24.0 V |
| Safety category according to EN ISO 13849-1 | 4 |
| Type of electric connection | Screw connection |
| Number of outputs, safety related, undelayed, with contact | 3.0 |

CONSTRUCTION

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|---|---------|
| Performance level according to EN ISO 13849-1 | Level e |
| Rail mounting possible | Yes |
| Degree of protection (IP) | IP40 |
| Degree of protection (IP), terminals | IP20 |

MECHANICAL

| | |
|--|---------|
| Shock acceleration (Max) | 10.0 g |
| Vibration displacement (Pk-Pk Max) | 0.35 mm |
| Vibration frequency, operational (Max) | 55.0 Hz |

DIMENSIONS

| | |
|--------|----------|
| Width | 22.5 mm |
| Height | 99.0 mm |
| Depth | 114.5 mm |
| Weight | 0.21 |

ENVIRONMENT

| | |
|--------------------------------------|------------|
| Ambient temperature during operating | -5 - 55 °C |
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