

440RN23114

AB 440R MSR Safety Relay IT 24VAC/DC 2NC-IN 2NO-SFTY AM



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

Suitable for monitoring of position switches	Yes
Suitable for monitoring of emergency-stop circuits	Yes
Suitable for monitoring of valves	Yes
Suitable for monitoring of optoelectronic protection equipment	Yes
Suitable for monitoring of tactile sensors	Yes
Suitable for monitoring of magnetic switches	Yes
Suitable for monitoring of proximity switches	Yes
Rated operation current I_e	6 A
Rated operation current I_e at AC-15, 230 V	6 A
Rated operation current I_e at DC-13, 24 V	3 A
Number of outputs, signalling function, undelayed, with contact	0
Number of outputs, safety related, delayed, with contact	0
Evaluation inputs	One- and two-channel
Voltage type for actuating	AC/DC
Control supply voltage U_s at DC	24 V
Control supply voltage U_s at AC 50HZ	24 V
Rated control supply voltage U_s at AC 50HZ	24 V
Rated control supply voltage U_s at AC 60HZ	24 V
Number of outputs, signalling function, undelayed, semiconductors	0
Number of outputs, safety related, undelayed, semiconductors	0
Number of outputs, safety related, delayed, semiconductors	0
Safety category according to EN ISO 13849-1	4

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SAFETY LOGIC



Allen-Bradley

ELECTRICAL	Stop category according to IEC 60204	0
	Type of safety according to IEC 61496-1	4
	Type of electric connection	Screw connection
	With start input	Yes
	With muting function	No
	With feedback circuit	Yes
	Rated control supply voltage U_s at DC	24 V
	Number of outputs, safety related, undelayed, with contact	2
CONSTRUCTION	Number of outputs, signalling function, delayed, with contact	0
	Number of outputs, signalling function, delayed, semiconductors	0
	Model	Basic device
	Performance level according to EN ISO 13849-1	Level e
	Rail mounting possible	Yes
MECHANICAL	IP rating	IP40
	Degree of protection (IP), terminals	IP20
	Max. shock acceleration	10 g
	Max. vibration displacement (Pk-Pk)	0.35 mm
	Max. vibration frequency, operational	55 Hz
DIMENSIONS	With detachable clamps	No
	Width	22.5 mm
	Height	75 mm
	Depth	110 mm
	Weight	0.16
ENVIRONMENT	Rated temperature	-5...55 °C
CERTIFICATES/APPROVALS	SIL according to IEC 61508	3
	With approval according to UL	Yes