440RN23113

AB 440R MSR Safety Relay IT 115VAC 2NC-IN 2NO-SFTY AM

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

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 Ie	6 A
Rated operation current Ie at AC-15, 230 V	6 A
Rated operation current Ie at DC-13, 24 V	3 A
Number of outputs, signalling function, undelayed, with contact	0
Evaluation inputs	1-channel or 1- and 2-channel
Voltage type for actuating	AC
Control supply voltage Us at AC 50HZ	115 V
Rated control supply voltage Us at AC 50HZ	115 V
Rated control supply voltage Us at AC 60HZ	115 V
Number of outputs, signalling function, undelayed, semiconductors	0
Number of outputs, safety related, undelayed, semiconductors	0
Safety category according to EN ISO 13849-1	4
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

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SAFETY LOGIC

ELECTRICAL	With muting function	No
	With feedback circuit	Yes
	Rated control supply voltage Us at DC	0 V
	Number of outputs, safety related, undelayed, with contact	2
	Number of outputs, signalling function, delayed, with contact	0
	Number of outputs, signalling function, delayed, semiconductors	0
CONSTRUCTION	Model	Basic device
	Performance level according to EN ISO 13849-1	Level e
	Rail mounting possible	Yes
	IP rating	IP40
	Degree of protection (IP), terminals	IP20
MECHANICAL	Max. shock acceleration	10 g
	Max. vibration displacement (Pk-Pk)	0.35 mm
	Max. vibration frequency, operational	55 Hz
	With detachable clamps	No
DIMENSIONS	Width	22.5 mm
	Height	75 mm
	Depth	110 mm
	Weight	0.22 kg
ENVIRONMENT	Rated temperature	-5…55 °C
CERTIFICATES/APPROVALS	SIL according to IEC 61508	3
	With approval according to UL	Yes

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DIMENSIONAL DIAGRAM

Dimensions [mm (in.)]



