440REM4R2

AB 440R MSR Expansion Module EM 24VDC 1NC/2NC-IN 4NO-SFTY 2NC-AUX 2S AM DELAY

SAFETY LOGIC



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

The Allen-Bradley Guardmaster single-function safety relays offer straightforward installation and system complexity while meeting functional safety standards. Designed to minimise downtime and increase efficiencies via diagnostics obtained over EtherNet/IP, further enabling the Connected Enterprise®.

ELECTRICAL

Number of outputs, signalling function, undelayed, with contact	0
Number of outputs, safety related, delayed, with contact	0
Evaluation inputs	Other
Voltage type for actuating	DC
Control supply voltage Us at DC	24 V
Rated control supply voltage Us at AC 50HZ	0 V
Rated control supply voltage Us at AC 60HZ	0 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
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	No
With muting function	No
With feedback circuit	Yes
Release-delay	0 s
Rated control supply voltage Us at DC	24 V
Number of outputs, safety related, undelayed, with contact	4
Number of outputs, signalling function, delayed, with contact	0

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ELECTRICAL	Number of outputs, signalling function, delayed, semiconductors	0
CONSTRUCTION	Model	Expansion device
	Performance level according to EN ISO 13849-1	Level e
	Rail mounting possible	Yes
	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	Yes
DIMENSIONS	Width	22.5 mm
	Height	119.4 mm
	Depth	113.6 mm
	Weight	0.23 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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