# SAFETY RELAY SRB... SERIES, SINGLE FUNCTION, 3NO+1NC, FOR EMERGENCY STOP, AUXILIARY SUPPLY 24VAC/DC, UP TO CAT.4, PLE



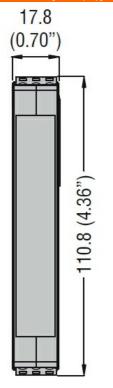
Product designation		SRB
Product type designation		Single function
General characteristics		
Functions		Emergency stop
Auxiliary supply		
Nominal auxiliary voltage supply		24VAC/DC
Operating range	V	2226VDC / 20.427.6VAC
Frequency range	Hz	50/60
Overvoltage category		III
Insulation voltage	kV	4
Protections		Short circuit with PTC
Input characteristics		
Number of inputs	Nr.	2
Resistance input circuit	kΩ	Max 1
Input current	mA	Typical 5
Output characteristics		
Number of safe outputs NO	Nr.	3
Number of safe outputs NC	Nr.	1
Number of feedback outputs	Nr.	0
Output type		Voltage free contacts, relays with forcibly guided contacts
Output contacts ratings		AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A
UL 508 ratings		Pilot duty: B300- R300
Mechanical life	cycles	>107
Electrical life AC1 at 360 commutations/h	cycles	105
Safety parameters		
ISO 13849-1 security category		Cat. 4
ISO 13849-1 performance level		PLe
Mechanical features		
Cable connection		Removable screw terminal
Fixing		35mm DIN rail
Weight	g	230
Ambient conditions		
Protection degree		IP40 on front IP20 on terminals
Pollution degree		2

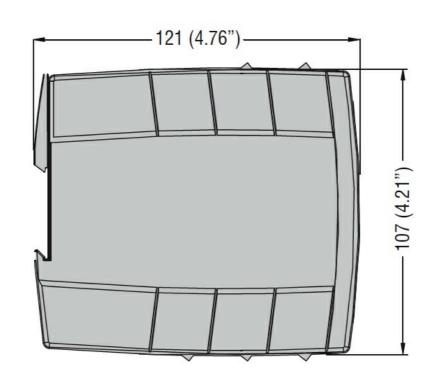


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Temperature				
•	Operating temperature			
		min	°C	-25
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+70
Relative humidity			%	≤95

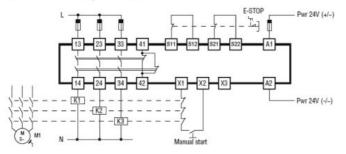
### Dimensions [mm (in)]



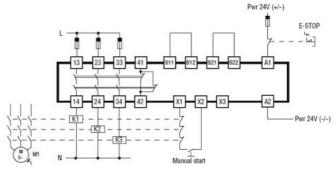


## Wiring diagrams

Double channel mode, manual start



# Single channel mode, manual start



## Certifications and compliance

Compliance

EN/BS 13849-1 EN/BS 81-20 EN/BS 81-50

Certificates

cULus TUV

ETIM classification



#### SRBES31

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ETIM 8.0

EC001449 -Device for monitoring of safety-related circuits