

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		- 3
General characteristics		
Functions		Emergency stop
Contact characteristics		0, 1
Type of contact		3NO+1NC
Operations		
Mechanical life	cycles	>107
Auxiliary supply		
Nominal auxiliary voltage supply		24VAC/DC
Operating range	V	2226VDC / 20.427.6VAC
Frequency range	Hz	50/60
Overvoltage category		
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
	Nr. Nr.	1 0
Number of safe outputs NC		
Number of safe outputs NC Number of feedback outputs		0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A
Number of safe outputs NC Number of feedback outputs Output type		0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13
Number of safe outputs NC         Number of feedback outputs         Output type         Output contacts ratings		0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A Pilot duty: B300-
Number of safe outputs NC         Number of feedback outputs         Output type         Output contacts ratings         UL 508 ratings	Nr.	0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A Pilot duty: B300- R300
Number of safe outputs NC         Number of feedback outputs         Output type         Output contacts ratings         UL 508 ratings         Mechanical life	Nr.	0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A Pilot duty: B300- R300 >10 <sup>7</sup>
Number of safe outputs NC         Number of feedback outputs         Output type         Output contacts ratings         UL 508 ratings         Mechanical life         Electrical life AC1 at 360 commutations/h	Nr.	0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A Pilot duty: B300- R300 >10 <sup>7</sup>
Number of safe outputs NC         Number of feedback outputs         Output type         Output contacts ratings         UL 508 ratings         Mechanical life         Electrical life AC1 at 360 commutations/h         Safety parameters	Nr.	0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A Pilot duty: B300- R300 >10 <sup>7</sup> 10 <sup>5</sup>
Number of safe outputs NC         Number of feedback outputs         Output type         Output contacts ratings         UL 508 ratings         Mechanical life         Electrical life AC1 at 360 commutations/h         Safety parameters         ISO 13849-1 security category	Nr.	0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A Pilot duty: B300- R300 >10 <sup>7</sup> 10 <sup>5</sup> Cat. 4
Number of safe outputs NC         Number of feedback outputs         Output type         Output contacts ratings         UL 508 ratings         Mechanical life         Electrical life AC1 at 360 commutations/h         Safety parameters         ISO 13849-1 security category         ISO 13849-1 performance level	Nr.	0 Voltage free contacts, relays with forcibly guided contacts AC1 250V: 6A- 2000VA AC15 230V: 3A DC1 24V: 6A DC13 24V: 2.5A Pilot duty: B300- R300 >10 <sup>7</sup> 10 <sup>5</sup> Cat. 4

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35mm DIN rail

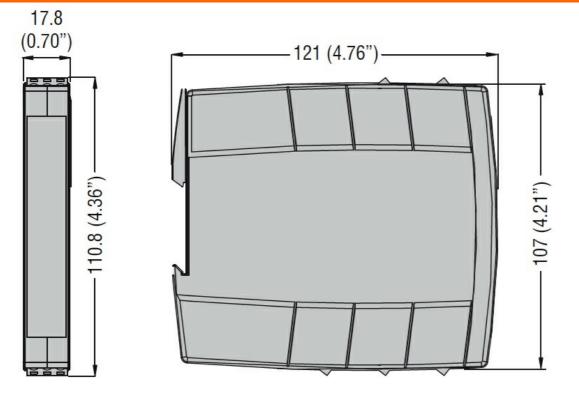




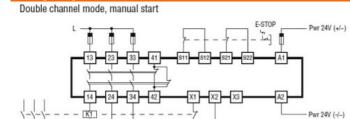
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Weight			g	230
Ambient conditions				
Protection degree				IP40 on front IP20 on terminals
Pollution degree				2
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+70
Relative humidity			%	≤95

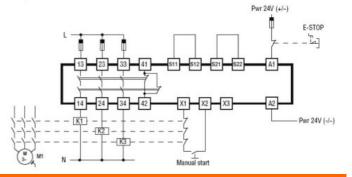
Dimensions



Wiring diagrams



Single channel mode, manual start



## Certifications and compliance

## Compliance

EN/BS 13849-1

Manual start

EN/BS 81-20 EN/BS 81-50



ENERGY AND AUTOMATION

circuits

Certificates

 <u>cULus</u>

 TÜV

 ETIM classification

 ETIM 8.0

 ETIM 8.0

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