SRBES20

Safety relay SRB… series, single function, 2NO, 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	22...26VDC / 20.4...27.6VAC
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.	2
Number of safe outputs NC	Nr.	0
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	$>10^7$
Electrical life AC1 at 360 commutations/h	cycles	10^5
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	209
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

Certifications and compliance

Compliance				
	EN/BS 13849-1			
	EN/BS 81-20			
	EN/BS 81-50			
Certifications and compliance				
	cULus			
	TUV			

ETIM classification

ETIM 8.0	EC001449 - Device for monitoring of safety-related circuits

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