Product designation		SRB
Product type designation		Safe outputs expantion module
General characteristics		
General characteristics		
Functions		Expansion module
Contact characteristics		
Type of contact		4NO+1NC
Operations		
Mechanical life	cycles	>10^7
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
Input voltage		0-35VDC
Output characteristics		
Number of safe outputs NO	Nr.	4
Number of safe outputs NC	Nr.	0
Number of feedback outputs	Nr.	1NC
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	239
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

17.8 (0.70")

110.8 (4.36")

121 (4.76")

107 (4.21")
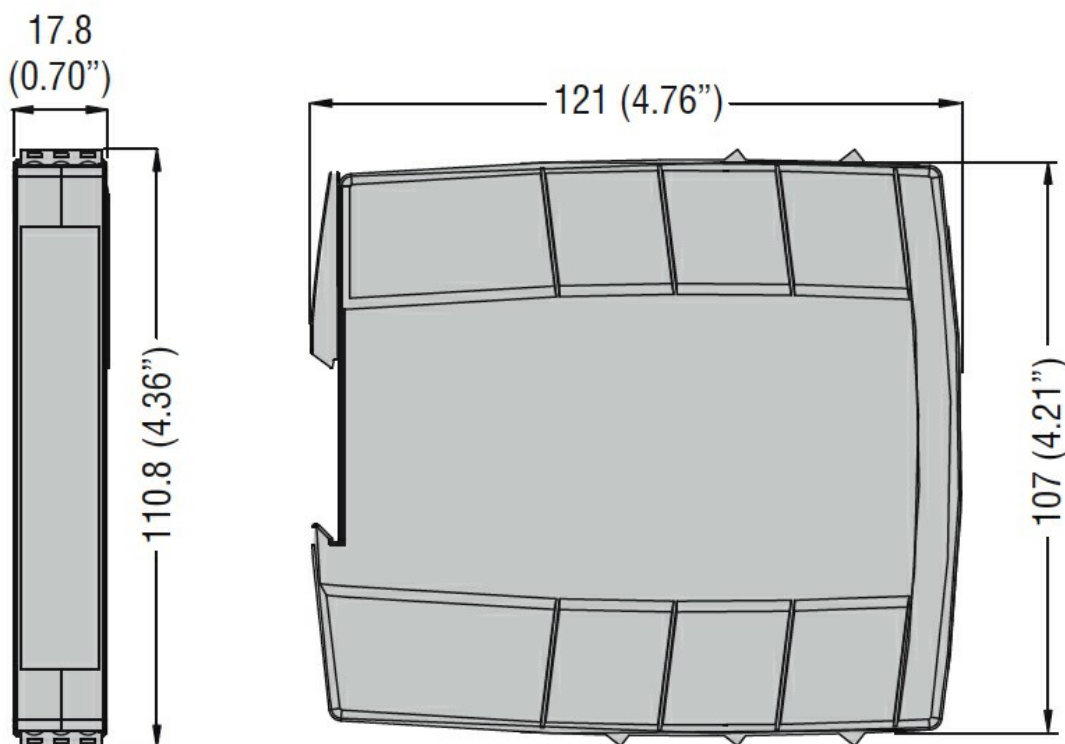
Wiring diagrams

Double channel mode

Single channel mode

SRBEM41

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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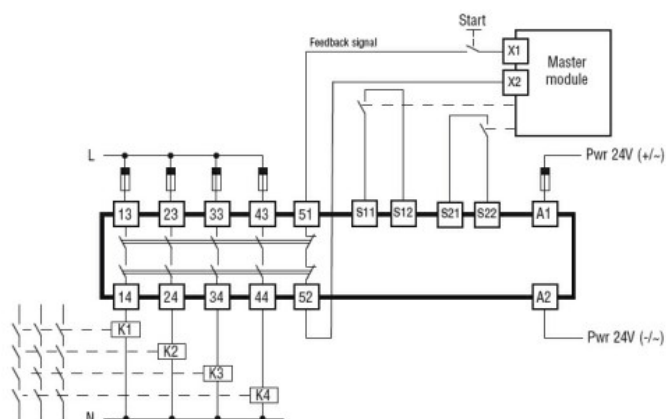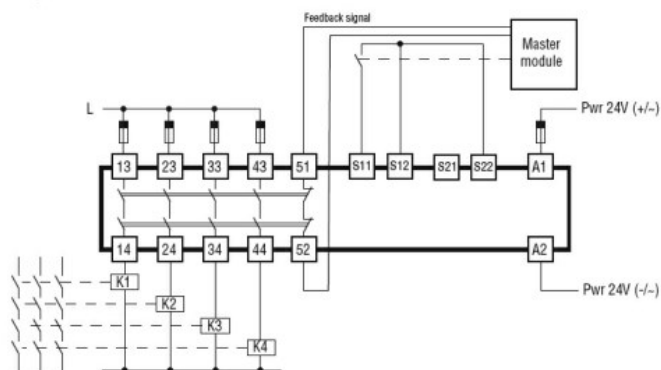
Certifications and compliance

Compliance

EN/BS 13849-1

Certificates

cULus

TÜV

ETIM classification

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