SRALC21

SAFETY RELAY SRA… SERIES, SINGLE FUNCTION, 2NO+1PNP, FOR LIGHT CURTAINS AND OSSD DEVICES, AUXILIARY SUPPLY 24VDC, UP TO CAT.4, PLE

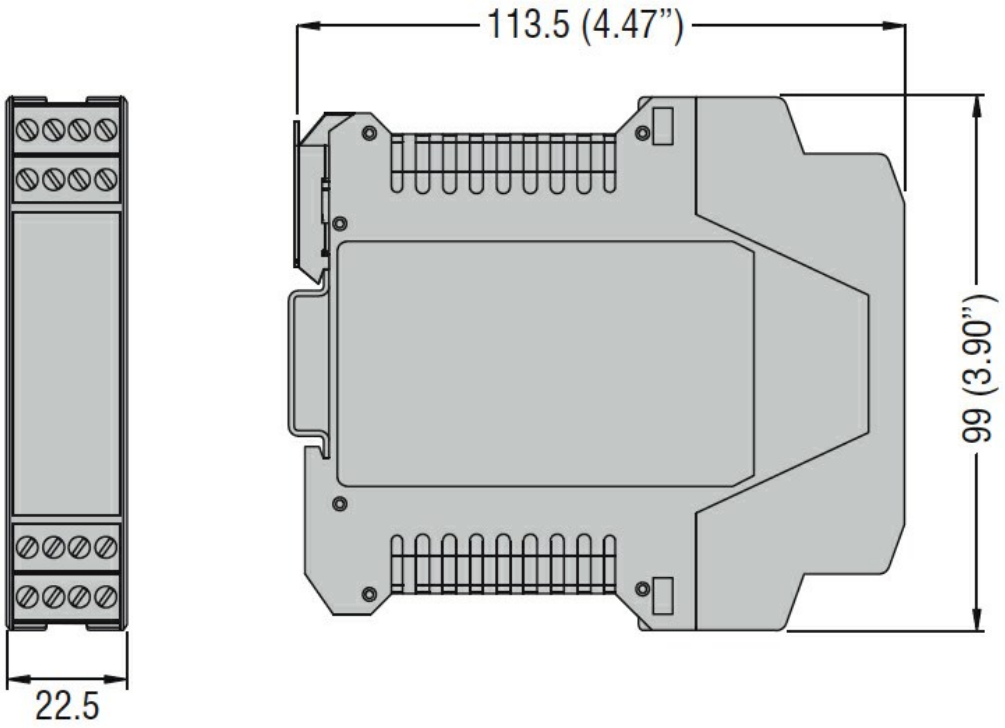


Product designation		SRA
Product type designation		Single function
General characteristics		
General characteristics		
Functions		Devices OSSD
Contact characteristics		
Type of contact		2NO+1PNP
Operations		
Mechanical life	cycles	>10^7
Auxiliary supply		
Nominal auxiliary voltage supply		24VDC
Operating range	V	22...26VDC / 20.4...27.6VAC
Overvoltage category		III
Insulation voltage	kV	4
Protections		Signaling output protected from overload
Input characteristics		
Number of inputs	Nr.	2
Input current	mA	Typical 4.3
Input voltage		0-30VDC
Output characteristics		
Number of safe outputs NO	Nr.	2
Number of safe outputs NC	Nr.	0
Number of feedback outputs	Nr.	1PNP
Output type		Relays with forcibly guided contacts
Output contacts ratings		AC1 250V: 6A-2000VA AC15 230V: 5A DC13 24V: 2A
UL 508 ratings		Pilot duty: B300-Q300
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		
Fixing		35mm DIN rail
Weight	g	150
Ambient conditions		
Protection degree		IP40 on front IP20 on terminals

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

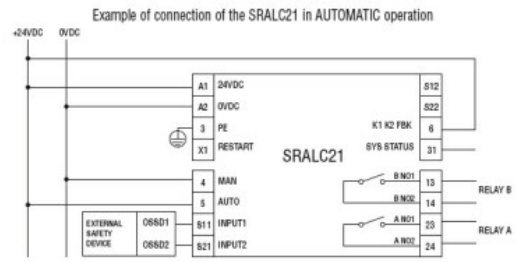
Pollution degree			2
Temperature			
	Operating temperature		
		min °C	-25
		max °C	+55
	Storage temperature		
		min °C	-30
		max °C	+70
Relative humidity		%	≤95

Dimensions

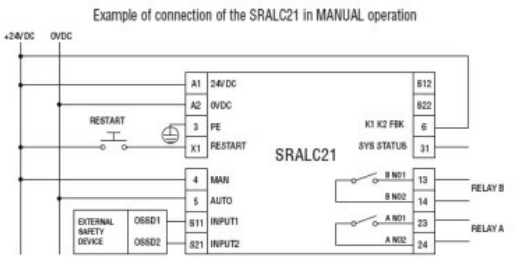


Wiring diagrams

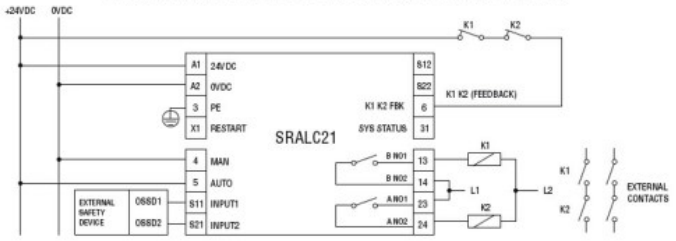
Example of connection of the SRALC21 in AUTOMATIC operation



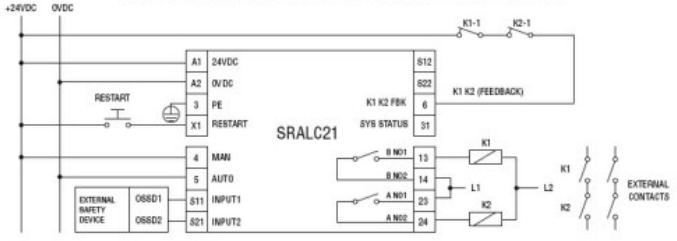
Example of connection of the SRALC21 in MANUAL operation



Example of connection of the SRALC21 in AUTOMATIC operation with K1 and K2 relays



Example of connection of the SRALC21 in MANUAL operation with K1 and K2 relays



Certifications and compliance

Compliance

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

	EN/BS 62061
	EN/ISO/BS 13849-1

Certificates

	cULus
	TÜV

ETIM classification

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

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