SRAMF21

SAFETY RELAY SRA… SERIES, MULTIFUNCTION, 2NO+1PNP, WITH FRONTAL TRIMMER SELECTION, AUXILIARY SUPPLY 24VDC, UP TO CAT.4, PLE



Product designation		SRA
Product type designation		Multifunction
General characteristics		
General characteristics		
Functions		Safety barrier with fail safe OSSD outputs; RFID; Emergency stop button; Gate monitoring applications; Two-hand devices control; Type 2 safety photocells
Contact characteristics		
Type of contact		2NO+1PNP
Operations		
Mechanical life	cycles	>10^7
Auxiliary supply		
Nominal auxiliary voltage supply		24VDC
Operating range	V	19…29VDC
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

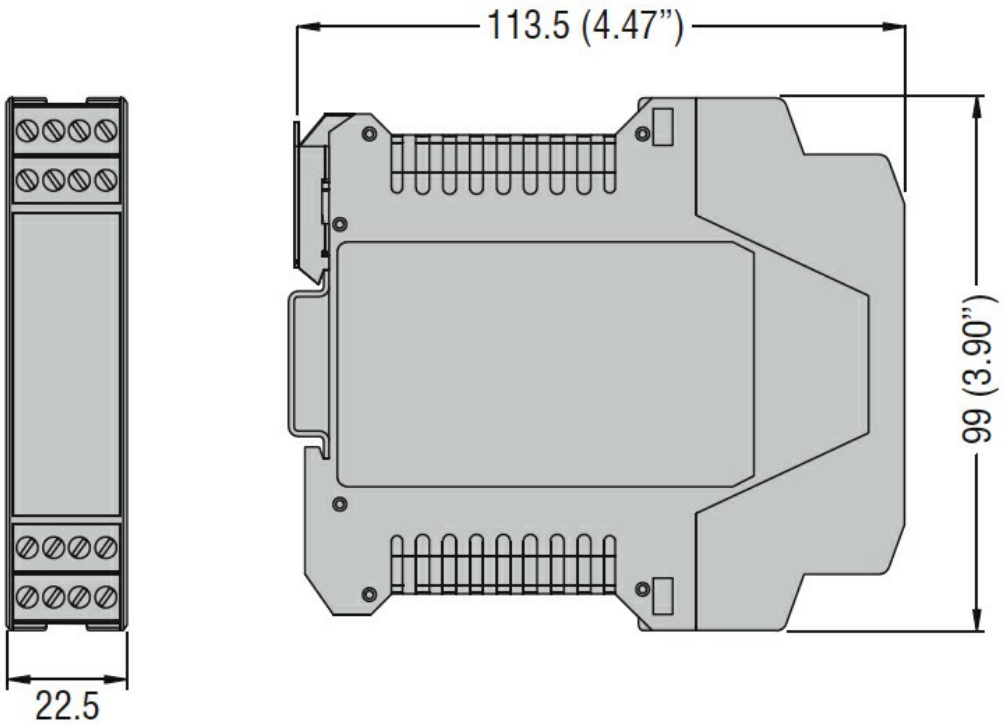
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Safety parameters				
ISO 13849-1 security category				Cat. 4
ISO 13849-1 performance level				PLe
Mechanical features				
Fixing				35mm DIN rail
Weight			g	150
Ambient conditions				
Protection degree				IP40 on front IP20 on terminals
Pollution degree				2
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-30
		max	°C	+70
Relative humidity			%	≤95

Dimensions



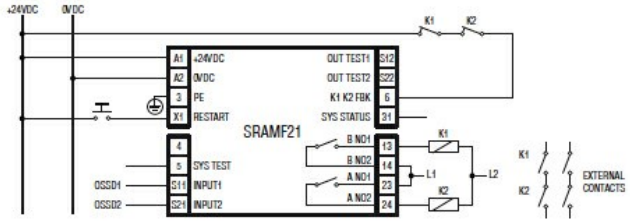
Wiring diagrams

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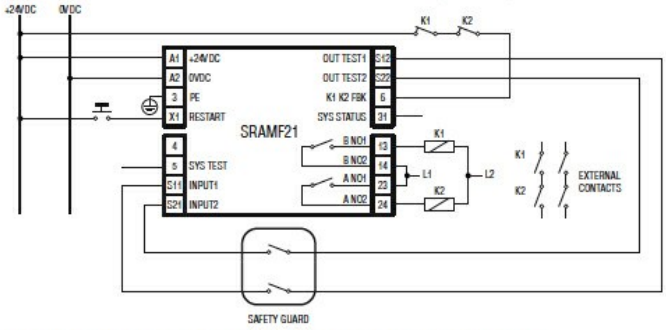
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Operating Modes 1A, 1C – Manual mode with EDM

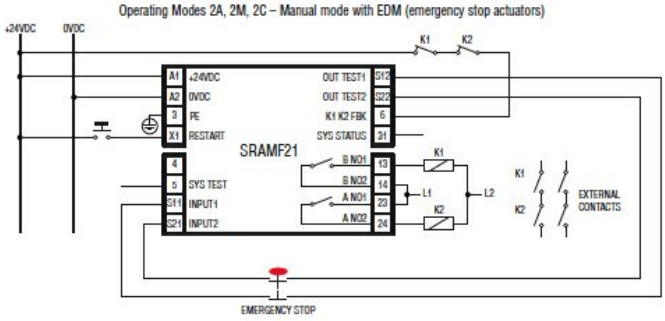


Operating Modes 2A, 2M, 2C – Manual mode with EDM (safety guard)



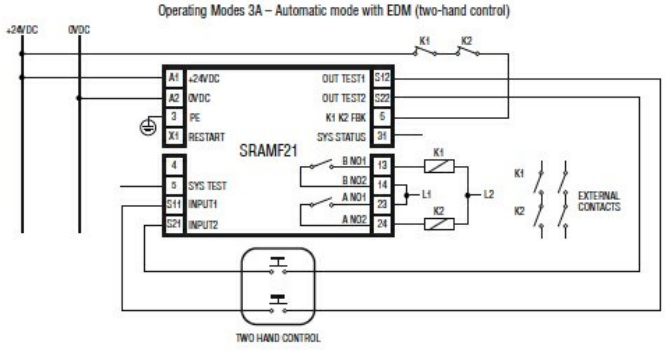
(Mode 2M) When pin X1 is permanently connected to 24VDC the module works in Automatic Restart mode

Operating Modes 2A, 2M, 2C – Manual mode with EDM (emergency stop actuators)

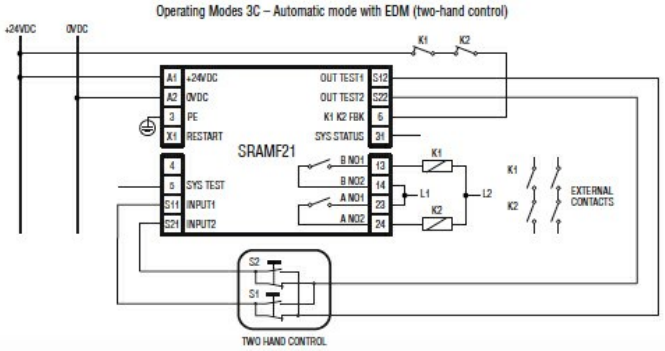


(Mode 2M) When pin X1 is permanently connected to 24VDC the module works in Automatic Restart mode

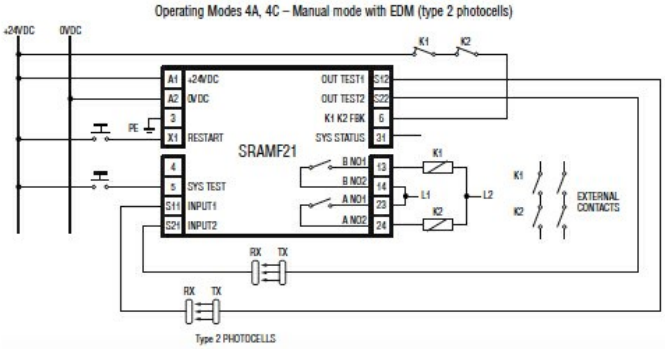
Operating Modes 3A – Automatic mode with EDM (two-hand control)



Operating Modes 3C – Automatic mode with EDM (two-hand control)



Operating Modes 4A, 4C – Manual mode with EDM (type 2 photocells)



Certifications and compliance

Compliance

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

Certificates

cULus
TÜV

ETIM classification

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

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