

SR22 SERIES

SAFETY-RELATED PARAMETERS

TYPE	Type 4 (IEC61496-1)	CATEGORY	Cat. 4 (ISO13849-1)
SAFETY INTEGRITY LEVEL	SIL 3 (IEC61508)	PERFORMANCE LEVEL	PLe (ISO13849-1)

TECHNICAL DATA

SUPPLY VOLTAGE	24 V DC / AC	PICK UP DELAY MANUAL START	30 ms
RIPPLE VOLTAGE	≤ 20 %	PICK UP DELAY AUTO START	300 ms
STOP CATEGORY	Stop 0 (IEC 60204-1)	RELEASE TIME-RATED VOLTAGE	≤ 20 ms
PFH	1.48 × 10 ⁻⁹	TIME WINDOW FOR SIGNAL SEQUENCE MONITORING	20 ms
MTTF	3867 years	CONTROL VOLTAGE / CURRENT ON S12, S22, S31	24 V DC / 70 mA
MAX INPUT CURRENT	150 mA	ADMISSIBLE INPUT LINE RESISTANCE	< 30 Ω
POWER CONSUMPTION	4 W	SERVICE LIFE	20 years
EXTERNAL SAFEGUARDING FOR SUPPLY CIRCUIT	200 mA delay-action	OVERVOLTAGE CATEGORY	III for rated operating voltage 300 V AC
SWITCHING CAPACITY OF THE CONTACTS	1.4 × 10 ⁵ (1NO: 6 A 30 V DC, Resistive load, 85 °C 1 s on 9 s off) 1.4 × 10 ⁵ (1NO: 6 A 250 V AC, Resistive load, 85 °C 1 s on 9 s off)	MECHANICAL LIFE TIME	10 million switching cycles
SWITCHING CURRENT OF THE CONTACTS	Resistive load: max. 3 A, External fuse 3 A 240 V AC (AC-15): rated 1.5 A, External fuse 2.5 A 24 V DC (DC-13): rated 1 A, External fuse 1.5 A	TYPE OF TERMINAL	Screw terminal
		CONNECTION CROSS SECTIONS	0.2 mm ² to 0.5 mm ² wire
		NET WEIGHT	160 g

ENVIRONMENTAL CONDITIONS

STORAGE TEMPERATURE	-25 ... +70 °C	DIRT LEVEL	2
AMBIENT TEMPERATURE	0 ... +55 °C	VIBRATION RESISTANCE (EN 60068-2-6)	Frequency 10 ... 55 Hz, amplitude 1.5 mm, dual vibration
PROTECTION CLASS	Housing IP40 Terminals IP20	INTERFERENCE RESISTANCE (EN61496-1)	Type 4

STANDARDS AND DIRECTIVES

EMC DIRECTIVE 2014/30/EU	EN IEC 61000-6-2 EN IEC 61000-6-4	ROHS DIRECTIVE 2011/65/EU	EN IEC 63000
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APPROVALS

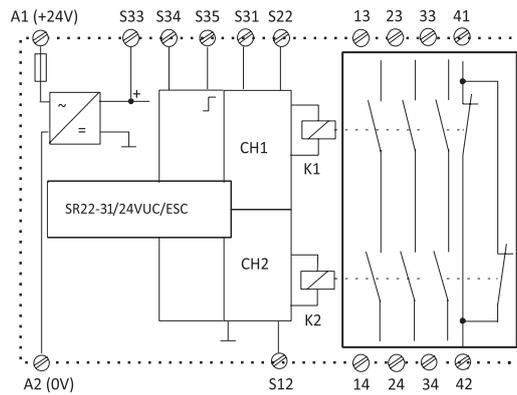


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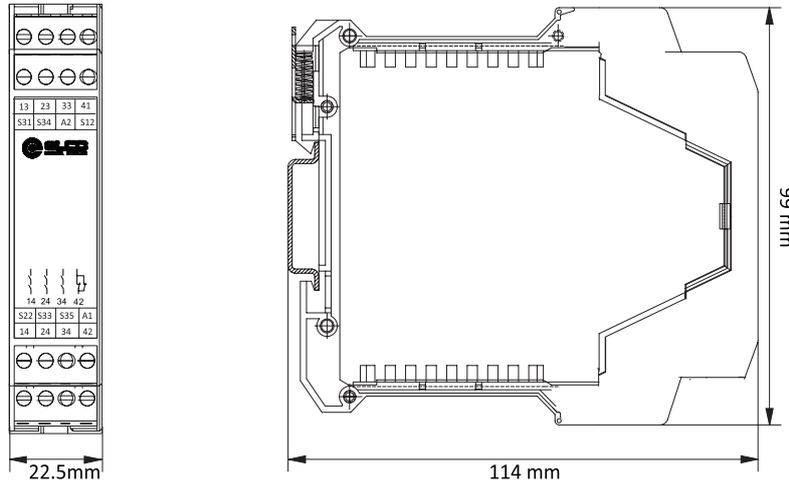
OPERATING MODE STANDALONE

Model	Description	Supply voltage	Input channel	Safety output	Auxiliary output
SR22-31/24VUC/ESC	Emergency Stop Module	24 V DC / AC	2	3	1

WIRING DIAGRAMS



DIMENSIONS



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SALES AND SERVICE

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