

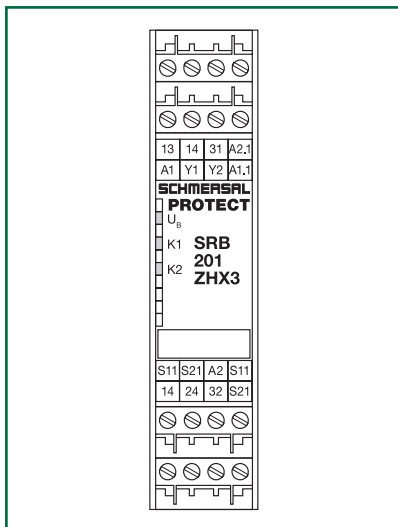
SERIES SRB 201 ZHX3 Two-Hand Control Safety Controller



Description

The Model SRB 201 ZHX3 is designed expressly for use with two-hand control units. It is equipped for connection to two actuators ... each with 1 Normally-Open (N.O.) and 1 Normally-Closed (N.C.) dry contacts. Both actuators (inputs) must be operated simultaneously (that is, within 500ms as required by EN574 type III/C requirements for machine operation to be enabled. Should the input actuators not be simultaneously operated within this specific 500ms period, both must be released before a start cycle can be initiated.

Front View



TECHNICAL FEATURES

Input Voltage	24 VDC
# Discrete Input Devices Monitored	2
Compatible Input Device Contact Configuration	1 N.O. & 1 N.C. (Dry Contacts)
Number & Type Safety Outputs	2 N.O. (Dry Contacts)
Number & Type Auxiliary (Non-Safety or Signalling Output)	1 N.C. (Dry Contact)
Typical Input Devices Monitored	Two-hand control
Type of Reset	Automatic
Feedback Monitoring	Yes
LED Displays	Green LEDs for: <ul style="list-style-type: none"> • UB (voltage at input terminals) • K1 (safety relay 1) • K2 (safety relay 2)
Conformity to Standards	UL, CSA, BG (CE-compliant)
Stop Category	0
Safety Control Category Rating Per EN 954-1	4
Selected Features	<ul style="list-style-type: none"> • Electronic fuse • Cross-short recognition • Automatic reset

AVAILABLE MODELS

Model Number	Operating Input Voltage
SRB 201 ZHX3	24 VDC

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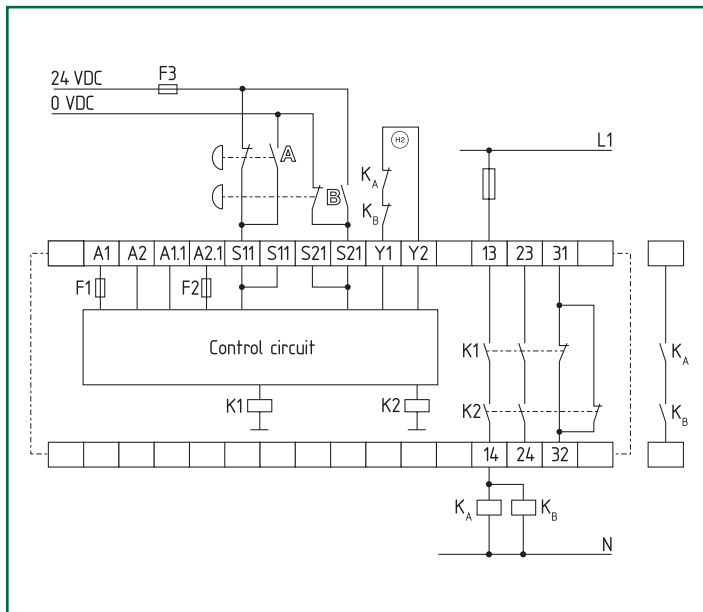
MECHANICAL SPECIFICATIONS

Dimensions (W x H x D)	22.5mm x 100mm x 121mm (0.9" x 3.9" x 4.75")
Ambient Operating Temperature Range	-25°C to +60°C (-13°F to +140°F)
Mechanical Life Expectancy	10 ⁷ switching cycles
Weight	220 gm
Mounting	DIN rail

ELECTRICAL SPECIFICATIONS

Operating Voltage	24 VDC -15% / +10%, residual ripple max. 10%
Power Consumption	1.5 W (max.)
Fuse (Input Power)	Internal electronic fuse* F1 : tripping current >1.0 A F3 : 1 A (external)
Fuse (Safety Outputs)	6 A Slow-blow (Recommended)
Switching Capacity (Safety Outputs)	230 VAC, 6 A Resistive (inductive with suitable suppressor circuit)
Switching Capacity (Auxiliary Contacts)	24 VDC, 2 A
Application Category	AC 15 / DC 13 : EN 60 947-5-1
Pick-up Delay	≤ 50 ms
Drop-out Delay	≤ 30 ms
Contact Type & Materials	AgSnO self cleaning, positively driven
Contact Resistance	100 mOhm (max. in new state)
Air Clearance & Creepage Distance	DIN VDE 0110-1, 4 kV/2
Cable Connections	<ul style="list-style-type: none"> • Self-lifting screw terminals for 13 to 20 AWG • Stranded or multi-core with wire end ferrule
Terminal Labeling	DIN EN 50 005 / DIN 50 013

TYPICAL WIRING DIAGRAM



*Resets automatically after a short time-delay.

TERMINAL CONNECTIONS

