



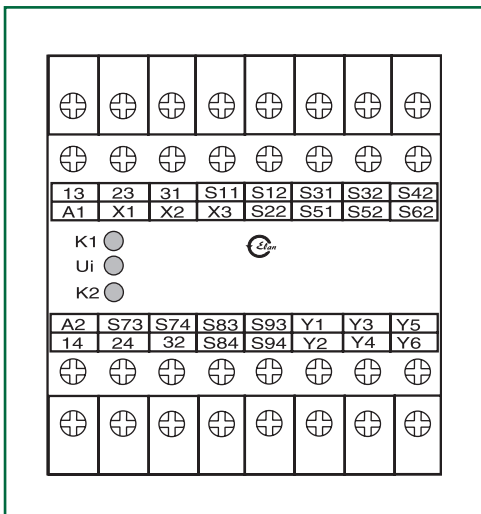
### Description

The Model SRB 207 AN is a “general purpose” unit designed for use with safety devices having Normally-Open (N.O.) and Normally-Closed (N.C.) dry contacts. Each is equipped for connection with up to six input devices such as E-stop push button and BNS coded magnets. In addition it features user-selectable monitored-manual or automatic reset, six (non-safety) semiconductor outputs for signalling/annunciation, and two safety outputs.

### TECHNICAL FEATURES

<b>Input Voltage</b>	See available models below
<b># Discrete Input Devices Monitored</b>	6 (Dual-Channel)
<b>Compatible Input Device Contact Configuration</b>	N.O./N.C. (Dry Contacts)
<b>Number &amp; Type Safety Outputs</b>	2 N.O. (Dry Contacts)
<b>Number &amp; Type Auxiliary (Non-Safety or Signalling Outputs)</b>	6 - short circuit proof, PNP-type semiconductor Y1 - Y6 max 20mA 1 - N.C. Auxiliary output
<b>Typical Input Devices Monitored</b>	<ul style="list-style-type: none"> <li>Interlocks (N.O./N.C.)</li> <li>Limit switches (N.O./N.C.)</li> </ul>
<b>Type of Reset (Selectable)</b>	<ul style="list-style-type: none"> <li>Monitored-manual (trailing edge)</li> <li>Automatic</li> </ul>
<b>Feedback Monitoring</b>	Yes
<b>LED Displays</b>	Green LEDs for: <ul style="list-style-type: none"> <li>K1 (safety relay 1)</li> <li>K2 (safety relay 2)</li> <li>Ui (voltage beyond internal fuse)</li> </ul>
<b>Conformity to Standards</b>	UL, CSA, BG (CE-compliant)
<b>Stop Category</b>	0
<b>Safety Control Category Rating Per EN 954-1</b>	3
<b>Selected Features</b>	<ul style="list-style-type: none"> <li>Plug-in screw terminals</li> <li>Cross-short recognition</li> <li>Up to 6 monitored devices</li> <li>Seven auxiliary outputs</li> <li>Selectable monitored-manual or automatic reset</li> </ul>

Front View AES 2285/SRB 207



### AVAILABLE MODELS

Model Number	Operating Input Voltage
AES 2285	24 VDC
SRB 207 AN-230V	48 - 230 VAC

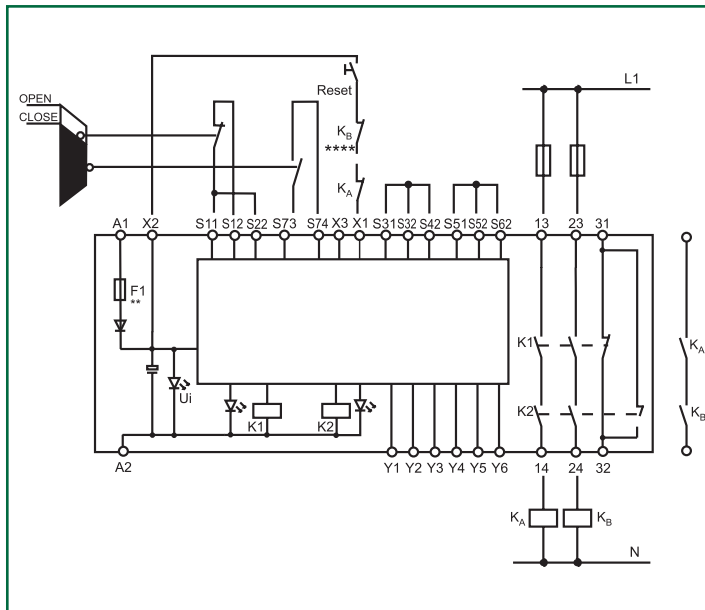
*New!*

# AES 2285/SRB 207 AN

## MECHANICAL SPECIFICATIONS

<b>Dimensions (W x H x D)</b>	45mm x 100mm x 121mm (1.77" x 3.9" x 4.75")
<b>Ambient Operating Temperature Range</b>	-25°C to +45°C (-13°F to +113°F)
<b>Mechanical Life Expectancy</b>	>10 <sup>7</sup> switching cycles
<b>Weight</b>	300 gm
<b>Mounting</b>	DIN rail

## TYPICAL WIRING DIAGRAM (shown with 1 input)



## ELECTRICAL SPECIFICATIONS

<b>Operating Voltage</b>	24 VDC -15% / +20%, residual ripple max. 10% 48 VAC-240VAC, 50-60 Hz
<b>Power Consumption</b>	3.0 W max. (For 24 VDC) Approx. 6.8 VA (For 230 VAC) (Plus signalling contacts Y1-Y6)
<b>Fuse (Input Power)</b> <b>24 V</b>	Internal electronic Fuse F1, Tripping current > 1 A (Resets after approx. 1 second)
<b>230 V</b>	Primary : Fuse (glass), tripping current > 1 A Secondary : Internal electronic fuse, tripping current > 0.12 A
<b>Fuse (Safety Outputs)</b>	6 A Slow-blow (Recommended)
<b>Switching Capacity (Auxiliary Contacts)</b>	Y1-Y6: 24 VDC, 20mA (PNP) 31-32: 24 VDC, 2 A (Dry)
<b>Switching Capacity (Safety Outputs)</b>	230 VAC, 6 A Resistive (inductive with suitable suppressor circuit)
<b>Application Category</b>	AC-15 / DC-13 : EN 60 947-5-1
<b>Pick-up Delay</b>	≤ 120 ms/≤ 30ns (auto start/reset button)
<b>Drop-out Delay</b>	≤ 20 ms
<b>Contact Type &amp; Material</b>	AgSnO, self cleaning, positive-guided
<b>Contact Resistance</b>	100 mOhm (max. in new state)
<b>Air Clearance &amp; Creepage Distance</b>	DIN VDE 0110-1 (04.97), 4 kV/2
<b>Cable Connections</b>	<ul style="list-style-type: none"> <li>• Self-lifting, plug-in screw terminals for 13 to 20 AWG</li> <li>• Stranded or multi-core with wire end ferrule</li> </ul>
<b>Terminal Labeling</b>	DIN EN 50 005 / DIN 50 013