



Model AES 1337 shown.

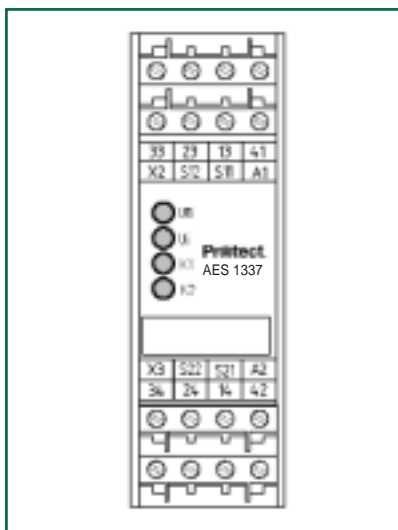
Description

The above “general-purpose” safety controllers are designed for use with safety devices having Normally-Open (N.O.) or Normally-Closed (N.C.) outputs. Each is equipped for connection of one input device in dual-channel configuration. In addition they feature user-selectable monitored-manual or automatic reset, feedback monitoring of positive-guided controlled loads and cross-short recognition (on selected models).

TECHNICAL FEATURES

Input Voltage	24 VAC/DC
# Discrete Input Devices Monitored	1 (Dual-Channel)
Monitored Contact Configuration	1 N.O. 1 N.C.
Number & Type Safety Outputs	3 N.O. (Dry Contacts)
Number & Type Auxiliary (Non-Safety or Signalling Output)	1 N.C. 24 VDC
Typical Input Devices Monitored	<ul style="list-style-type: none"> E-stops (N.C.) Interlock switches (N.C.)
Type of Reset (Selectable)	<ul style="list-style-type: none"> Monitored-manual (24 VDC trailing edge) Automatic
Feedback Monitoring	Yes
LED Displays	Green LEDs for: <ul style="list-style-type: none"> K1 (safety relay 1) K2 (safety relay 2) Ui (voltage beyond internal fuse)
Conformity to Standards	UL, CSA, BG (CE-compliant)
Stop Category	0
Safety Control Category Rating Per EN 954-1	4
Type Fuse	Hybrid
Selected Features	<ul style="list-style-type: none"> Cross-short recognition Selectable monitored-manual or automatic reset Feedback monitoring

Front View



Model AES 1337 shown.

AVAILABLE MODELS

Model Number	Operating Voltage
AES 1337	24 V AC/DC

AES 1337

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 +45°C (-13°F to +113°F)
Mechanical Life Expectancy	10 ⁷ switching cycles
Weight	230 gm
Mounting	DIN rail (35mm)

ELECTRICAL SPECIFICATIONS

Operating Voltage	24 VDC -15% / +20%, residual ripple max. 10% 24 VAC -15% / +10%, 50/60 Hz
Power Consumption	2.4 W (max.), 3.8 VA
Fuse (Input Power) 24 V	Internal electronic (hybrid) Fuse F1, Tripping current > 0.6 A (Resets after interruption of supply voltage)
Fuse (Safety Outputs)	6 A Slow-blow (Recommended)
Switching Capacity (Safety Outputs)	230 VAC, 6 A Resistive (inductive with suitable surge suppressor)
Switching Capacity (Auxiliary Contacts)	24 VDC, 100mA
Application Category	AC 15 / DC 13, EN 60 947-5-1
Contact Type & Materials	AgSnO, self cleaning, positive-guided
Contact Resistance	100 mOhm (max. in new state)
Air Clearance & Creepage Distance	DIN VDE 0110-1 (04.97), 4 kV/2
Cable Connections	<ul style="list-style-type: none"> • Self-lifting, plug-in 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

