

ES-FA-9AA

ES AND GM SERIES E-STOP AND GUARD MONITORING SAFETY RELAYS



Safety Relay Module for E-Stop/Rope Pull/Interlock
Supply Voltage: 24 V ac/dc
Safety Input: 1 Dual/Single Channel
Safety Output: 3 NO, 6 A; Aux Output: None
Terminal Block: Removable; Width: 22.5 mm
Self-Checking Circuitry, Auto/Manual Reset
Part Number: 60131

CERTIFICATIONS



SPECIFICATIONS

Power	AC/DC Universal
IP Rating	IP20
Device Type	Safety Relay
In-Series Diagnostics	No
Safety Module Type	Emergency Stop Module
Expandable	No
LCD Display	No
Dimension (H x W x D in mm)	84 x 22.5 x 118
Relative Humidity	90% @ 50° C
Max Operating Temperature (°C)	50
Input Operation	Simultaneous or Concurrent
Number of Safe Inputs	1
Input Configuration	2 NC or 1 NC
Safety Input - Dual Channel (Dry Contact)	10-20 mA @ 12 V dc
Safety Input - Reset	20 mA @ 12 V dc (dry contact only)
Independently Controlled Safe Outputs	1
Output Configuration	3 NO
Non Safe Output Rating	N/A
Safe Output Rating	Relay - 6 A
Splittable Safe Output	No
Mechanical Life (Operations in Millions)	20

Power Consumption	2 W / 2 VA
Recovery Time (ms)	250
Response Time (ms)	25 (typical)
Supply Voltage	24 V ac/dc +/- 10%
Terminal Type	Screw
Removable Terminals	Yes
Vibration	10-55 Hz at 0.35 mm
Electrical Life (Cycles @ VA)	1,000,000 @ 450 VA
PL Rating	e
Safety Category Rating	4
SIL Rating	3
SISTEMA	PFHd = 5.1 x 10 ⁻¹⁰
Safety Input - Single Channel	40-100 mA @ 24 V ac/dc +/- 10%
Input Resistance	100 Ω max. per channel
E-Stops/Rope Pulls	Yes
Safety Mat	No
Motor Speed	No
Muting	No
Gate Switch (NC/NC) Input	Yes
Gate Switch (NC/NO) Input	No
Gate Switch (OSSD) Input	No
Light Curtains/Scanner with EDM Input	No
Light Curtains/Scanner without EDM Input	No
Recovery Time	250



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