



UM-FA-11A

► UNIVERSAL INPUT SAFETY RELAYS



Safety Relay Module for Safety Light
Curtain/Scanner/E-Stop/Interlock

Supply Voltage: 24 V dc or 24 V ac

Safety Input: 1 Dual/Single Channel

Safety Output: 2 NO, 7 Amp; Aux Output: 1 NC, 7A

Terminal Block: Removable; Width: 22.5mm

Self-Checking Circuitry, Auto/Manual Reset

Part Number: 81228

CERTIFICATIONS



SPECIFICATIONS

Primary Housing Material	Polycarbonate
Contacts	AgNi (5 µm gold-plated)
Safety Input - Dual Channel (Dry Contact)	10-20 mA @ 12 V dc
Safety Input - Dual Channel (Solid-State)	5-20 mA @ 18-28 V dc (PNP)
Safety Input - Reset	40-100 mA @ 24 V ac/dc +/- 10%
Safety Input - Single Channel	40-100 mA @ 24 V ac/dc +/- 10%
Design Rating	Cat. 4; PL e; SIL 3
Dimension (H x W x L)	50.8 x 22.5 x 41.3 mm

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Electrical Life (Cycles @ VA)	1,000,000 @ 450 VA
IP Rating	IP20
Max Operating Temperature (°C)	50
NEMA Rating	NEMA 1
Relative Humidity	90% @ 50° C
Input Operation	Simultaneous or Concurrent
Output Configuration	2 NO (7 A); 1 NC (7 A)
Mechanical Life (Operations in Millions)	20
Pollution Degree	2
Power Consumption	2 W / 2 VA
Recovery Time (ms)	250
Response Time (ms)	25 (typical)
Supply Protection	Transient Voltage; Reverse Polarity
Supply Voltage	24 V ac/dc +/- 10%
Terminal Type	Removable
Vibration	10-55 Hz at 0.35 mm
Application: E-Stops/ Interlock Switches	Yes
Application: Laser Scanner	Yes
Application: Light Curtains	Yes
Application: Safety Controller	Yes



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