



Safety relays Main unit UE43-3MF

UE43-3MF2A1



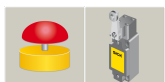
Model Name > [UE43-3MF2A1](#)
Part No. > [6024899](#)

At a glance

- Evaluation unit for emergency stop pushbuttons and safety switches
- Cross circuit detection and sequence monitoring for the dual-channel input signal
- Monitoring the discrepancy time is possible
- 3 safety outputs, 1 application diagnostic output
- Combines the advantages of classic relays and easy circuitry
- Manual or automatic reset

Your benefits

- Complete monitoring and analysis of sensors
- Fast diagnostics via the status information reduces downtime
- Offers all contact paths needed



Applications

Type of switching amplifier:	Main unit
Emergency stop pushbuttons:	✓
Safety switches:	✓
Safety Switch with mechanical lock:	-
Two-hand control systems:	-
Pressure sensitive mats:	-
Opto-electronic protective devices:	-
Opto-electronic protective devices without RES/EDM:	-
Opto-electronic protective devices with RES/EDM:	-
System part:	Safety relays

Functions

Input circuit:	Single- or dual-channel
Cross-circuit detection:	✓
Reset/restart:	Manual/automatic/configurable
External device monitoring:	✓
Synchronous time monitoring:	✓

Technical data

Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061)
Category:	Category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)

B10d parameter:

1* 1E 06 switching cycles (AC-15, 230 V, I = 0.5 A)
3.5*1E 05 switching cycles (DC-13, 24 V, I = 2 A)
1.2 * 1E 06 switching cycles (DC-13, 24 V, I = 0.5 A)

PFHd:

3.0 * 1E-08

TM (mission time):

20 a

Stop category:

0, EN 60204

Width:

45 mm

Contact type:

Positively driven

Number of enable current contacts:

3

Number of signalling current contacts:

1

Operating voltage AC:

115 V AC

Maximum power consumption AC:

3.2 VA

Maximum power consumption DC:

2.5 W

Type of output:

Relay contacts

Rated operating current (voltage):

6 A (230 V AC) 3600 switching cycles/h
6 A (24 V DC) 360 switching cycles/h
3 A (24 V DC) 3600 switching cycles/h

Maximum switching current:

6 A

Maximum total current:

18 A

Mechanical life (relay contacts):

1*1E 07 switching cycles

Electrical life (relay contacts):

2* 1E 06 switching cycles, dependent upon loading, details see operating instructions

Enclosure rating:

IP 20

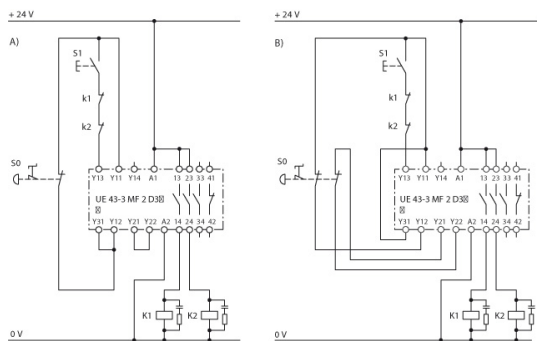
Ambient operating temperature from ... to:

-25 °C ... 55 °C

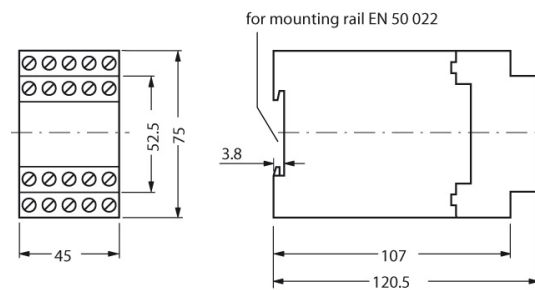
Connection type:

Screw-type terminals

Connection diagram



Dimensional drawing



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