

ONLINE DATA SHEET
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Safety relays
Main unit UE23-3MF

UE23-3MF2D2



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Safety relays
Main unit UE23-3MF

Model Name > UE23-3MF2D2
Part No. > 6034595

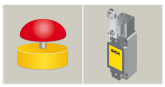


At a glance

- Ideal for the connection of emergency stop pushbuttons and safety switches
- 3 safety outputs, 1 application diagnostic output
- Combines the advantages of classic relays and easy circuitry
- Manual or automatic reset
- Coded version for all plug-in positions
- External device monitoring (EDM)

Your benefits

- Compact size saves space in the control cabinet
- Application-specific assembly saves costs
- Fast diagnostics via the status information reduces downtime
- Fast tool-free exchange via coded pluggable terminals



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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-channel
Cross-circuit detection:	-
Reset/restart:	Manual/automatic/configurable
External device monitoring:	✓

Technical data

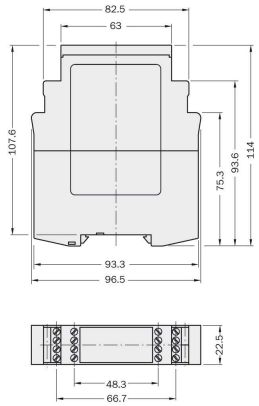
Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061) [1)]
Category:	category 4 (EN ISO 13849) [2)]
Performance level:	PL e (EN ISO 13849) [3)]

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B10d parameter:	3*1E 05 switching cycles (AC-15, 230 V, I = 5 A) 2* 1E 06 switching cycles (DC-15, 230 V, I = 2 A) 7*1E 06 switching cycles (DC-13, 24 V, I = 1 A)
PFHd:	3.0 * 1E-08
TM (mission time):	20 a
Stop category:	0, EN 60204
Width:	22.5 mm
Contact type:	Positively driven
Number of enable current contacts:	3
Number of signalling current contacts:	1
Operating voltage DC:	24 V DC
Maximum power consumption AC:	3.9 VA
Maximum power consumption DC:	1.9 W
Type of output:	Relay contacts
Rated operating current (voltage):	5 A (230 V AC) 360 switching cycles/h 5 A (24 V DC) 3600 switching cycles/h
Maximum switching current:	8 A
Mechanical life (relay contacts):	1*1E 07 switching cycles
Electrical life (relay contacts):	1* 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

1) 2) 3) Maximum category 2, performance level d, safety integrity level SIL2, SILCL2 in the application

Dimensional drawing



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