

ONLINE DATA SHEET
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Safety relays
Contact expansion module UE10-3OS

UE10-3OS2D0



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Safety relays
Contact expansion module UE10-3OS

Model Name > UE10-3OS2D0
Part No. > 6024917



At a glance

- Ideal for applications with opto-electronic protective devices and safety controllers with OSSD outputs
- Evaluation unit for a safe processing of OSSD output signals
- 3 safety outputs, 1 application diagnostic output
- Fast tool-free mounting/disassembly due to to pluggable terminals
- Feedback signal for external device monitoring (EDM)

Your benefits

- Offers all needed contact paths in a compact form
- Fast diagnostics via the status information reduces downtime
- Connects the advantages of classic relays and easy circuitry



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Applications

Type of switching amplifier:	Contact expansion module
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:	Automatic
External device monitoring:	-

Technical data

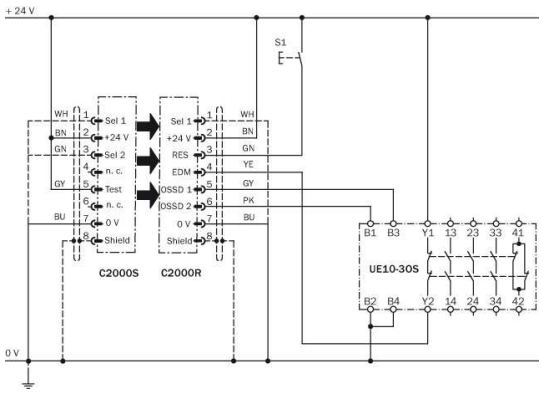
Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061) [1)]
Category:	category 4 (EN ISO 13849) [2)]
Performance level:	PL e (EN ISO 13849) [3)]

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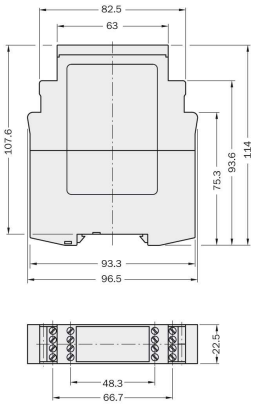
B10d parameter:	1.26 * 1E 06 switching cycles (AC-15, 230 V, I = 1.5 A) 5.9*1E 06 switching cycles (AC-15, 230 V, I = 0.75 A) 4.35*1E 05 switching cycles (DC-13, 24 V, I = 2.5 A) 1*1E 07 switching cycles (DC-13, 24 V, I = 0.63 A)
PFHd:	3.0 * 1E-08
TM (mission time):	20 a
Stop category:	0, EN 60204
Width:	22.5 mm
Contact type:	Positively driven
Number of enable current contacts:	3
Number of signalling current contacts:	1
Type of output:	Relay contacts
Rated operating current (voltage):	4 A (230 V AC) 360 switching cycles/h 3 A (230 V AC) 3600 switching cycles/h 4 A (24 V DC) 360 switching cycles/h 2.5 A (24 V DC) 3600 switching cycles/h
Maximum switching current:	6 A
Maximum total current:	12 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

1) 2) 3) If the feedback current path Y1 - Y2 (external device monitoring) is monitored using an appropriate main unit

Connection diagram



Dimensional drawing



A4 4c int43

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