

ONLINE DATA SHEET
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Safety relays
Main unit UE42-2HD

UE42-2HD2D2



SICK
Sensor Intelligence.

Safety relays
Main unit UE42-2HD

Model Name > UE42-2HD2D2
Part No. > 6024878

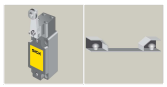


At a glance

- Evaluation unit for two-hand controls Type III C, in accordance with EN 574
- 2 safety outputs, 1 application diagnostic output
- Discrepancy time 500 ms
- Monitoring of the external actuators possible
- Combines the advantages of classic relays and easy circuitry
- Coded version for all plug-in positions

Your benefits

- Offers all possibilities of applications in a compact installation size
- Application-specific assembly saves costs
- Fast diagnostics via the status information reduces downtime
- Fast tool-free exchange via coded pluggable terminals



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:	Automatic
External device monitoring:	✓
Concurrence monitoring:	✓

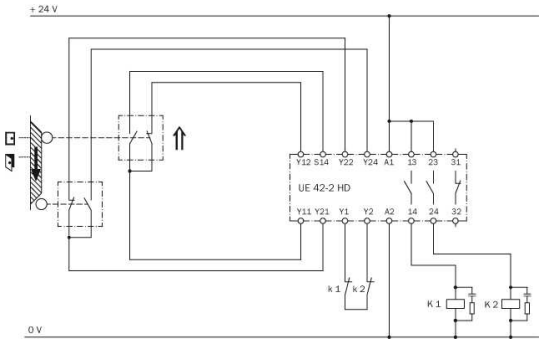
Technical data

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

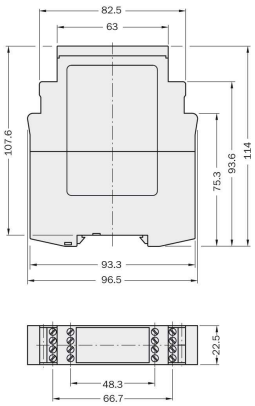
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Performance level:	PL e (EN ISO 13849)
PFHd:	3.0 * 1E-08
TM (mission time):	20 a
Width:	22.5 mm
Contact type:	Positively driven
Number of enable current contacts:	2
Number of signalling current contacts:	1
Activation time tolerance between the two start buttons:	500 ms
Operating voltage DC:	24 V DC
Maximum power consumption DC:	1.5 W
Type of output:	Relay contacts
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

Connection diagram



Dimensional drawing



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