



Safety relays Contact expansion module UE11-4DX

UE11-4DX2D31



Model Name > [UE11-4DX2D31](#)
Part No. > [6024922](#)

At a glance

- Expansion device allowing for 4 more safety outputs on UE10 relay series
- 4 safety outputs, 2 application diagnostic outputs
- Predefined time delays
- Feedback signal for external device monitoring (EDM)
- External device monitoring inside the basis device
- Coded version for all plug-in positions

Your benefits

- Offers all needed contact paths in a compact form
- Delay time for an optimal protection of a safety brake at a machine
- Ideal for contact expansion
- Fast diagnostics via the status information reduces downtime
- Fast tool-free exchange via coded pluggable terminals
- Combines the advantages of classic relays and easy circuitry



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

Cross-circuit detection:	-
Reset/restart:	Automatic
External device monitoring:	-

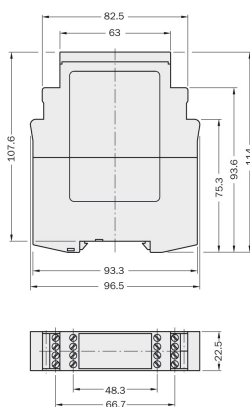
Technical data

Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061) ¹⁾
Category:	Category 4 (EN ISO 13849) ²⁾

Performance level:	PL d (EN ISO 13849) ³⁾
B10d parameter:	1* 1E 06 switching cycles (AC-15, 230 V, I = 0.5 A) 3*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:	2.0 * 1E-07
TM (mission time):	4 a
Width:	22.5 mm
Contact type:	Positively driven
Number of enable current contacts:	4
Number of delayed deactivation signalling current contacts:	2
Delay time:	1 s
Operating voltage DC:	24 V DC
Maximum power consumption DC:	2 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:	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

Dimensional drawing



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