



Safety relays
Contact expansion module UE10-4XT

UE10-4XT3D2



Model Name > [UE10-4XT3D2](#)
Part No. > [6024920](#)



At a glance

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

Your benefits

- Offers all needed contact paths in a compact form
- Ideal for contact expansion
- Fast diagnostics via the status information reducing 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: | - |

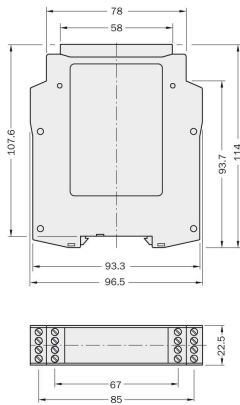
Technical data

| | |
|-------------------------|--|
| 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) 3.5*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: | 2.0 * 1E-07 |
| TM (mission time): | 20 a |
| Width: | 22.5 mm |
| Contact type: | Positively driven |
| Number of enable current contacts: | 4 |
| Number of signalling current contacts: | 2 |
| Operating voltage AC: | 24 V AC |
| Operating voltage DC: | 24 V DC |
| Maximum power consumption AC: | 2.7 VA |
| Maximum power consumption DC: | 1.5 W |
| Type of output: | Relay contacts |
| Rated operating current (voltage): | 6 A (230 V AC) 360 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: | Plug-in 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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