



Safety relays Contact expansion module UE11-4DX

UE11-4DX2D30.5



Model Name > [UE11-4DX2D30.5](#)
Part No. > [6024921](#)



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:	-

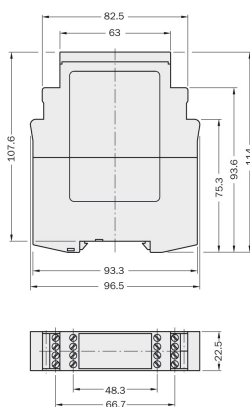
Technical data

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:	0.5 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



Australia

Phone +61 3 9457 0600
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6801000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886-2-2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com