



Network solutions Safety Remote I/O UE4421

UE4421-22EE490



Model Name > [UE4421-22EE490](#)
Part No. > [1028311](#)



At a glance

- Supports numerous safety sensors and actuators
- Requires only one safety fieldbus address for up to 16 sensors and actuators
- IP 20 enclosure rating for DIN rail, panel mounting

Your benefits

- Modular expandability and remote I/O allows the realization of modular and distributed machines and systems
- Safety solutions can be easily and quickly integrated into a safety PLC or an existing DeviceNet Safety™ fieldbus, reducing installation time
- Fast and easy installation and servicing by using pluggable terminal strips



Applications

Safety command devices:	✓
Electro-mechanical safety switches:	✓
Non-contact safety switches:	✓
Opto-electronic protective devices:	✓
Two-hand control systems:	✓
Operating mode selector switch:	✓
Muting sensors:	✓
Muting lamp:	✓

Functions

Safe device communication via EFI/SDL:	-
Reset/restart:	Manual/automatic/configurable

Technical data

Enclosure rating:	IP 20
Ambient operating temperature from ... to:	-10 °C ... 55 °C
Protection class:	III (EN 61140)
Safety integrity level:	SIL3 (IEC 61508)
Category:	Category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
PFHd:	2.0 * 1E-10
TM (mission time):	20 a
Maximum power consumption:	≤ 4 A ... , per connection ¹⁾

Connection type supply voltage:	Spring terminal plug
Number of safety inputs:	4 dual-channel or 8 single-channel
Input voltage HIGH field signal inputs:	11 V DC, 26.4 V DC
Input delay field signal inputs:	Configurable 0 ... 126 ms
Number of test/signal outputs (with current monitoring):	4 (1)
Type of output test/signal outputs:	PNP semiconductor
Output current test/signal outputs:	700 mA
Number of safe outputs:	4 dual-channel or 8 single-channel
Type of output safety capable outputs:	Current sourcing (PNP)
Maximum switching current safety capable outputs:	500 mA
Maximum number of safety target connections:	4
DeviceNet communication rate:	125 kbit/s, 250 kbit/s, 500 kbit/s, Autobaud detection
Connection type DeviceNet:	Spring terminal block

1)
Class 2

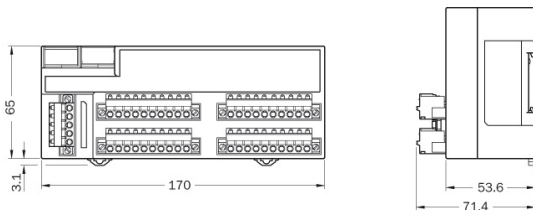
Electrical data

Fieldbus:	DeviceNet Safety
Supply voltage:	20.4 V DC, 26.4 V DC

Ambient data

Weight:	420 g
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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