



Network solutions Safety Remote I/O UE4155

UE4155-01BC700



Model Name > [UE4155-01BC700](#)
Part No. > [1024057](#)

At a glance

- Remote module up to enclosure rating IP 67
- Support for PROFIBUS-DP V1: cyclic communication with DP-Master Class 1 (central control), acyclic communication with DP-Master Class 2 (configuration and diagnostic tool)
- Support for PROFIsafe V2.0
- Two SDL connections for easy integration of intelligent SICK safety sensors
- Simple configuration and diagnostics using the CDS (Configuration & Diagnostic Software)

Your benefits

- Reduced implementation costs using safety automation devices without a control cabinet
- Fast integration of safety solutions into a safety PLC, or into a wide PROFIBUS PROFIsafe fieldbus
- Allows use of extended functionality of SICK safety sensors in an easy to use fashion
- Comprehensive diagnostics provide fast troubleshooting, which reduces downtime



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 67
Ambient operating temperature from ... to:	0 °C ... 55 °C

Protection class:	III
Safety integrity level:	SIL3 (IEC 61508)
Category:	Category 4 (EN 954-1)
Performance level:	PL e (EN ISO 13849)
PFHd:	1.33 * 1E-09
TM (mission time):	20 a
Maximum power consumption:	$\geq \leq 9 \text{ A}$
Number of safety inputs:	8 dual-channel or 16 single-channel
Input voltage HIGH field signal inputs:	11 V, 24 V, 28.8 V
Input delay field signal inputs:	Configurable 0 ... 90 ms
Number of test/signal outputs (with current monitoring):	≤ 16 (2)
Number of SDL connections:	2
Output voltage HIGH field signal outputs:	UV, without load, switched-on
Output current field signal output:	0 mA ... 700 mA
Minimum current for fault monitoring:	7 mA ... 40 mA, on field-signal connections 7 and 8 ¹⁾
Maximum current SDL connections:	1.4 A
Maximum internal resistance SDL connections (power supply):	0.3 Ω
Input voltage HIGH SDL connections (OSSD inputs):	13 V, 24 V, 28.8 V
Maximum test puls rate SDL connections (OSSD inputs):	500 Hz
Maximum test pulse width SDL connections (OSSD inputs):	700 μs
Baud rate PROFIBUS connection:	9.6 kbit/s ... 12 Mbit/s
Address range PROFIBUS connection:	3 ... 125
Ident number PROFIBUS:	071A hex

¹⁾ Only when the connection is configured as an output for a muting lamp.

Electrical data

Fieldbus:	PROFIBUS PROFIsafe
Supply voltage:	19.2 V DC, 24 V DC, 28.8 V DC

Ambient data

Weight:	620 g
---------	-------

The diagram shows a yellow SICK S3000 sensor unit with various connection points labeled:

- Power supply**: Points to the top-left circular connector.
- SDL connection 2**: Points to the second circular connector from the left.
- Field-signal connection 1**: Points to the top-right circular connector.
- Field-signal connection 8**: Points to the eighth circular connector from the left.
- Configuration connection (covered)**: Points to the bottom-left circular connector.
- PROFIBUS input**: Points to the bottom-left RJ45 port.
- Switch for PROFIBUS addresses (covered)**: Points to the top-right rectangular switch.
- PROFIBUS output**: Points to the bottom-right RJ45 port.

[illegible]

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