

ONLINE DATA SHEET
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Safety controllers
Flexi Classic, main module

UE410-MU4T50



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Flexi Classic, main module

Model Name > UE410-MU4T50
Part No. > 6032670



At a glance

- Two variants to choose from: main module for common applications or an expert module for muting
- Central processing unit
- Modularly expandable
- 6 inputs, 4 outputs
- Small width of 22.5 mm
- Pluggable terminals for a fast module replacement
- PNP outputs, each up to 2A

Your benefits

- One module offers complete functionality of inputs and outputs up to the logic
- Easy to expand if more inputs and outputs are required
- Easy diagnostics via clear LED status indicators, which reduces downtime
- Use of powerful PNP semiconductor outputs allows to remove relays

Safety-related parameters

Safety integrity level:	SIL3 (IEC 61508) SILCL3 (EN 62061)
Category:	category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
PFHd:	2.5 * 1E-09 (EN ISO 13849)
TM (mission time):	20 a (EN ISO 13849)
Safe state in the event of a fault:	The safety-related semiconductor outputs are in the OFF state.

Functions

Restart interlock:	-
External device monitoring (EDM):	✓
AND operation:	✓
OR operation:	✓
Bypass:	✓
Differentiation between man and material (muting):	✓

Mechanical data

Dimensions (W x H x D):	22.5 mm x 96.5 mm x 120.8 mm
Weight:	180 g

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Electrical data

Protection class:	III (EN 61140)
Type of voltage supply:	PELV or SELV [1)]
Supply voltage Vs:	24 V DC (19.2 V DC ... 30 V DC)
Residual ripple:	≤ 10 %
Power consumption:	3 W (DC)
Switch-on time:	60 s

[1)] The current of the power supply that powers the main unit must be limited to a maximum of 4 A, either through the power supply itself or a fuse.

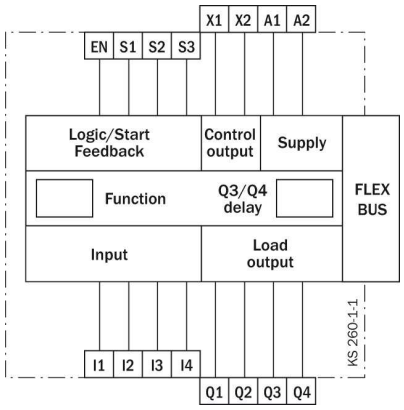
Interfaces

Electrical connection:	Plug-in spring terminals
Eindrahtig oder feindrahtig (1x):	0.14 mm² ... 2.5 mm²
Eindrahtig oder feindrahtig (2x):	0.14 mm² ... 0.75 mm²
Finely stranded with ferrules (1x):	0.25 mm² ... 2.5 mm²
Finely stranded with ferrules (2x):	0.25 mm² ... 0.5 mm²
Number of inputs:	2 dual-channel or 4 single-channel
Number of muting sensors:	0 ... 2
Number of outputs:	2 dual-channel or 4 single-channel
Delay time (outputs Q3/Q4):	0 s ... 50 s

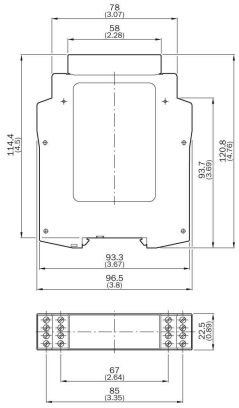
Ambient data

Protection class housing:	IP 40 (EN 60529)
Enclosure rating terminals:	IP 20 (EN 60529)
Ambient operating temperature:	-25 °C ... +55 °C
Storage temperature:	-25 °C ... +70 °C
Air humidity:	15 % ... 95 %, non-condensing
Climate conditions according to:	EN 61131-2 (55 °C ambient operating temperature, 95% rel. humidity)
Electromagnetic compatibility (EMC):	Class A (EN 61000-6-2, EN 55011)
Vibration resistance:	5 g RMS, 5 Hz ... 500 Hz (EN 60068-2-64)

Connection diagram



Dimensional drawing



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Australia
Phone +61 3 9457 0600
1800 33 48 02 – 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 marketing@sick.com.br

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

Česká 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 info@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 +972-4-6881000
E-Mail info@sick-sensors.com

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

Japan
Phone +81 (0)3 5309 2112
E-Mail support@sick.jp

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

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

Norge
Phone +47 67 81 50 00
E-Mail sick@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 sales.gsg@sick.com

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 88 65 878
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**

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