

## Safety controllers Flexi Classic Input expansion unit

UE410-8DI3



**Model Name** > [UE410-8DI3](#)  
**Part No.** > [6026139](#)

#### At a glance

- Two different types: in-/output expansion modules and input expansion modules
- Two variants per type : module for common applications and an expert module for muting
- Modularly expandable
- 6 inputs, 4 outputs or 8 inputs
- Small width of 22.5 mm
- Pluggable terminals for a fast module replacement
- PNP outputs, each up to 2A

#### Your benefits

- Only one configuration for the complete system, simplifying commissioning
- Rich diagnostic functions available via Fieldbus gateway module
- Easy to expand if more inputs are required
- Easy diagnostics via clear LED status indicators
- Use of powerful PNP semiconductor outputs allows to remove relays



#### Safety-related parameters

|                         |                            |
|-------------------------|----------------------------|
| Safety integrity level: | SILCL3 (IEC 62061)         |
| Category:               | Category 4 (EN ISO 13849)  |
| Performance level:      | PL e (EN ISO 13849)        |
| PFHd:                   | 3.8 * 1E-09<br>7.3 * 1E-09 |
| TM (mission time):      | 20 a                       |

#### Functions

|                                        |   |
|----------------------------------------|---|
| Muting:                                | - |
| Override:                              | - |
| Belt stop:                             | - |
| Concurrence monitoring:                | - |
| Monitoring total muting time:          | - |
| Sensor gap monitoring:                 | - |
| End of muting by ESPE:                 | - |
| Safe device communication via EFI/SDL: | - |

## Electrical data

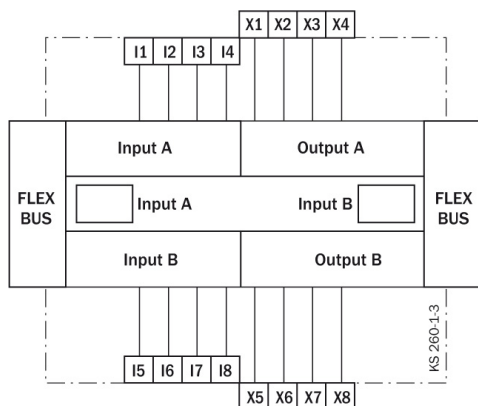
|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| Power consumption:           | 3 W                                                   |
| Protection class:            | EN 61140                                              |
| Number of inputs:            | 4 dual-channel or 8 single-channel                    |
| Input voltage HIGH:          | 13 V DC ... 30 V DC                                   |
| Input voltage LOW:           | -5 V ... 5 V DC                                       |
| Input current HIGH:          | 2.4 mA ... 3.8 mA                                     |
| Input current LOW:           | -2.5 mA ... 2.1 mA                                    |
| Switch-on time of inputs:    | 70 ms                                                 |
| Synchronous time monitoring: | 1,500 ms (at program 3 and 5)                         |
| Response time:               | $\leq 17 \text{ ms} \leq 56 \text{ ms}$ <sup>1)</sup> |

<sup>1)</sup> Depending on the selected program and the connected sensors

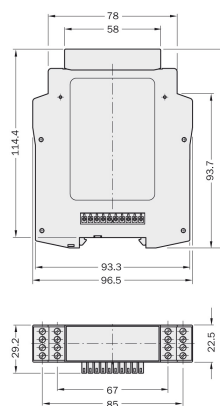
## Ambient data

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Enclosure rating terminals:          | IP 20                               |
| Protection class housing:            | IP 40                               |
| 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                          |
| Electromagnetic compatibility (EMC): | EN 61000<br>EN 55011                |
| Vibration resistance:                | 5 g, 5 Hz ... 500 Hz (EN 60068-2-6) |
| Connection type:                     | Cable gland                         |
| Connection type:                     | Plug-in screw-type terminals        |
| Dimensions (W x H x D):              | 22.5 mm x 96.5 mm x 120.8 mm        |
| Weight:                              | 150 g                               |

## Connection diagram



## 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](http://www.sick.com)