



## Safety controllers Flexi Classic Muting input expansion unit

UE410-MDI3



**Model Name** > [UE410-MDI3](#)  
**Part No.** > [6034484](#)

#### 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: | SIL3 (IEC 61508), SILCL3 (IEC 62061) |
| Category:               | Category 4 (EN ISO 13849)            |
| Performance level:      | PL e (EN ISO 13849)                  |
| PFHd:                   | 6.1 * 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: | - |

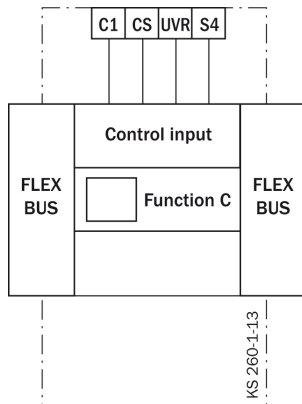
#### Electrical data

|                           |                     |
|---------------------------|---------------------|
| Power consumption:        | 1.8 W               |
| Protection class:         | EN 61140            |
| Number of inputs:         | 3 single-channel    |
| Input voltage HIGH:       | 15 V DC ... 30 V DC |
| Input voltage LOW:        | -5 V DC ... 5 V DC  |
| Input current HIGH:       | 2.3 mA ... 3.6 mA   |
| Input current LOW:        | -2.5 mA ... 0.15 mA |
| Switch-on time of inputs: | 50 ms               |

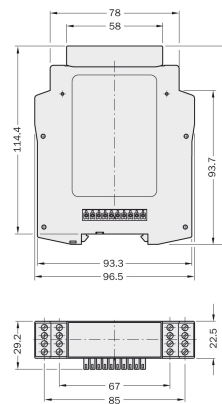
#### Ambient data

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| 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 128.8 mm        |
| Weight:                              | 150 g                               |

#### Connection diagram



#### Dimensional drawing



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