



## Safety controllers Flexi Classic, main module

UE410-MU4T50



**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

## Electrical data

Protection class:	III (EN 61140)
Type of voltage supply:	PELV or SELV <sup>1)</sup>
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

<sup>1)</sup> 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.

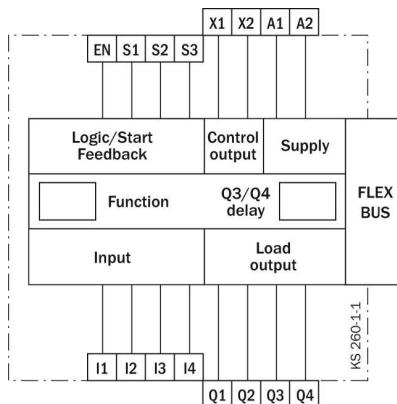
## Interfaces

Electrical connection:	Plug-in spring terminals
Eindrahtig oder feindrahtig (1x):	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Eindrahtig oder feindrahtig (2x):	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Finely stranded with ferrules (1x):	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Finely stranded with ferrules (2x):	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
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

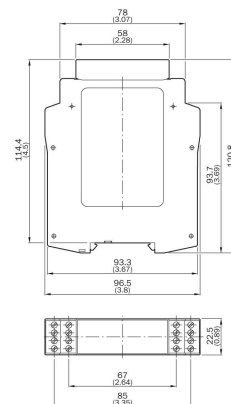
## Ambient data

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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