

ONLINE DATA SHEET
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Safety controllers
Flexi Classic, main module

UE410-MM4



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Flexi Classic, main module

Model Name > UE410-MM4
Part No. > 6034645



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

CE

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):	✓
Differentiation between man and material (muting):	✓
Override:	✓
Concurrence monitoring:	✓
Monitoring of total muting time:	✓
Sensor gap monitoring:	✓
End of muting by ESPE:	✓

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:	10 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.

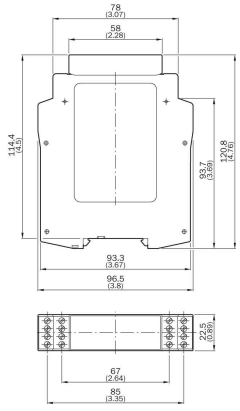
Interfaces

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:	1 dual-channel and 4 single-channel
Number of muting sensors:	2 ... 4
Number of outputs:	1 dual-channel and 2 single-channel

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)

Dimensional drawing



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