



Safety controllers Flexi Classic Muting input expansion unit

UE410-MDI4



Model Name > [UE410-MDI4](#)
Part No. > [6034647](#)

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:	-

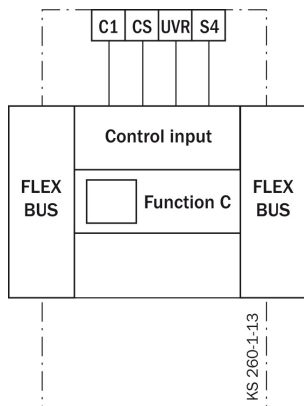
Electrical data

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

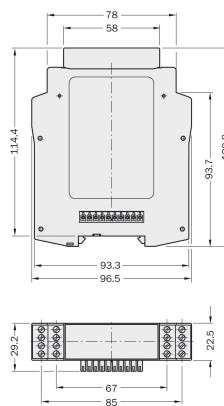
Ambient data

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 EN 55011
Vibration resistance:	5 g, 5 Hz ... 500 Hz (EN 60068-2-6)
Connection type:	Cable gland
Connection type:	Plug-in spring 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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