SICK.COM



DATA SHEET

UE410-MM3

Flexi Classic
Safety controllers

SICK Sensor Intelligence



Illustration may differ

SAFETY CONTROLLERS

UE410-MM3

ORDERING INFORMATION

Type	part no.
UE410-MM3	6034482

Further device versions and accessories at www.sick.com/Flexi_Classic

DETAILED TECHNICAL DATA

FEATURES

Module	Main module
Configuration method	Via rotary switch

SAFETY-RELATED PARAMETERS

Safety integrity level	SIL 3 (IEC 61508)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
PFH_D (mean probability of a dangerous failure per hour)	2.5×10^{-9} (EN ISO 13849)
T_M (mission time)	20 years (EN ISO 13849)

FUNCTIONS

Restart interlock	Manual / automatic (configurable)
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	✓

INTERFACES

Inputs	2 safety inputs 2 switching inputs 4 muting inputs

Number of muting sensors	2 / 4
Outputs	2 safety outputs 2 test outputs 2 application diagnostic outputs
Connection type	Plug-in screw-type terminals
Display elements	LEDs

ELECTRONICS

Protection class	III (EN 61140)
Type of voltage supply	PELV or SELV [1]
Supply voltage V_S	24 V DC (19.2 V DC ... 30 V DC)
Residual ripple	≤ 10 %
Power consumption	≤ 3 W (DC)
Switch-on time	≤ 10 s
Internal power consumption	≤ 3 W (DC)

[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.

MECHANICS

Dimensions (W x H x D)	22.5 mm x 96.5 mm x 120.8 mm
Weight	+ 180 g

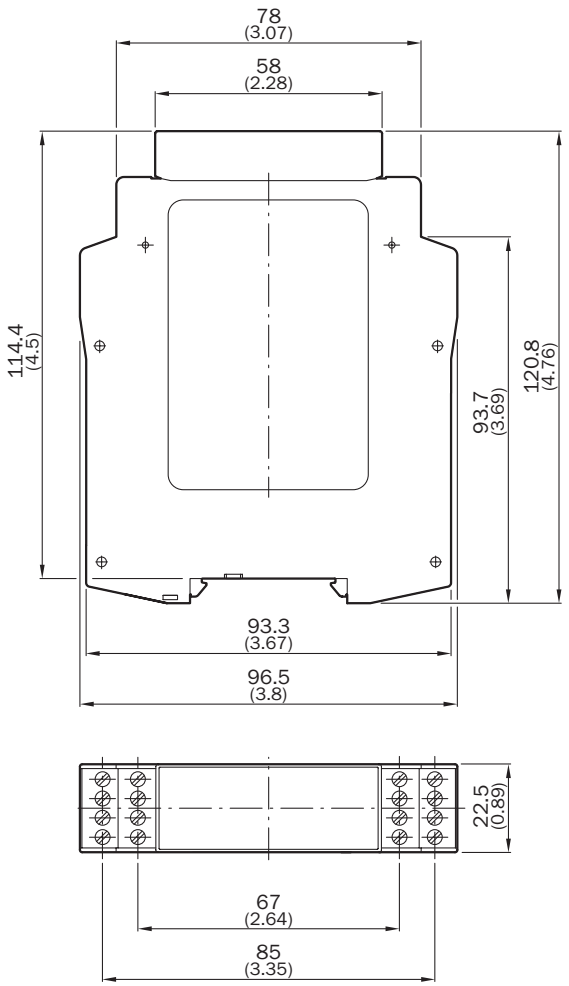
AMBIENT DATA

Enclosure rating	
Housing	IP40 (EN 60529)
Terminals	IP20 (EN 60529)
Ambient operating temperature	–25 °C ... +55 °C
Storage temperature	–25 °C ... +70 °C
Air humidity	≤ 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)

CERTIFICATES

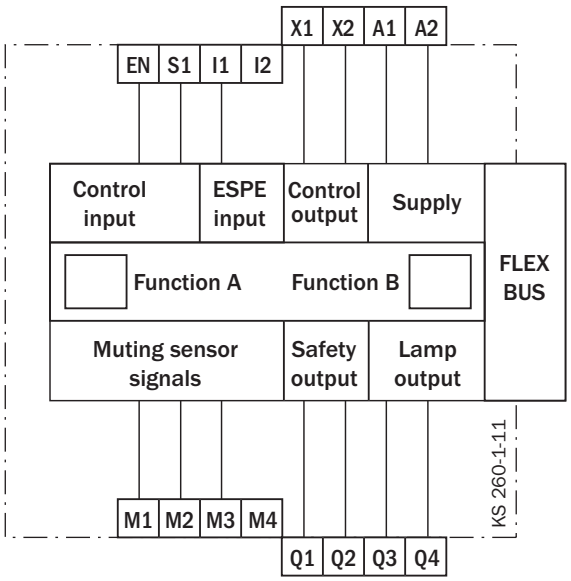
EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
CCC certificate	✓
UK-Type-Examination approval	✓
cULus certificate	✓
cTUVus certificate	✓
EC-Type-Examination approval	✓
EC-Type-Examination approval (Machinery Regulation)	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

DIMENSIONAL DRAWING FLEXI CLASSIC MAIN MODULE



Dimensions in mm (inch)

CONNECTION DIAGRAM



Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6034482



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SICK AT A GLANCE

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SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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