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DATA SHEET

UE410-8DI3

Flexi Classic
Safety controllers

SICK Sensor Intelligence



Illustration may differ

SAFETY CONTROLLERS

UE410-8DI3

ORDERING INFORMATION

Type	part no.
UE410-8DI3	6026139

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

DETAILED TECHNICAL DATA

FEATURES

Module	I/O 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)	3.8×10^{-9} (EN ISO 13849)
T_M (mission time)	20 years (EN ISO 13849)

FUNCTIONS

AND operation	✓
OR operation	✓
Bypass	✓

INTERFACES

Inputs	8 safety inputs
Outputs	8 test outputs
Connection type	Plug-in screw-type terminals
Display elements	LEDs

ELECTRONICS

Protection class	III (EN 61140)
Voltage supply	Via FLEXBUS
Power consumption	≤ 3 W (DC)
Internal power consumption	≤ 3 W (DC)

MECHANICS

Dimensions (W x H x D)	22.5 mm x 96.5 mm x 120.8 mm
Weight	150 g

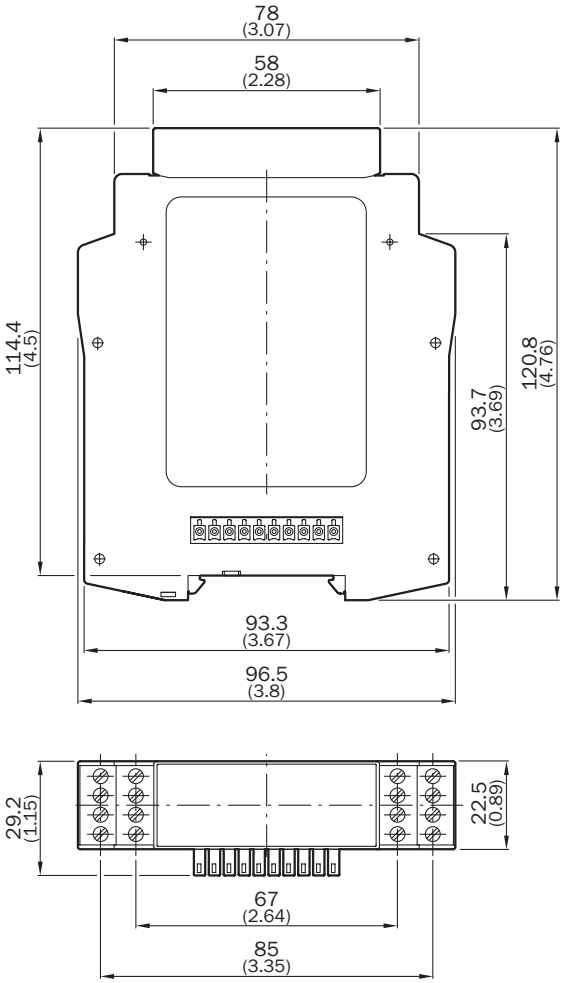
AMBIENT DATA

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

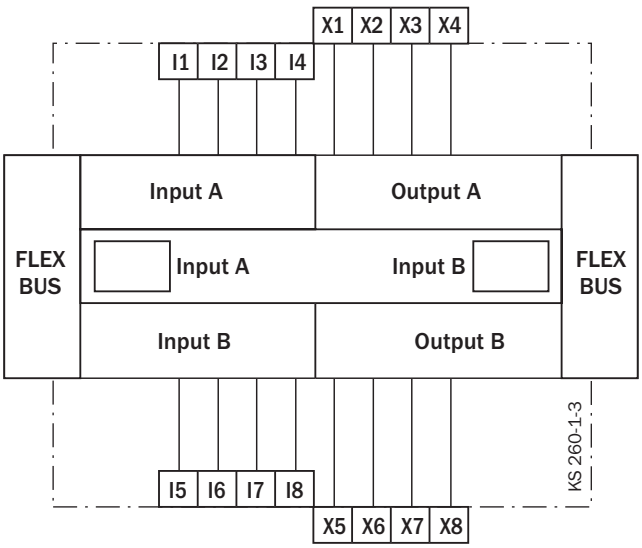
EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
CCC certificate	✓
UK-Type-Examination approval	✓
cULus certificate	✓
cTUVus certificate	✓
EC-Type-Examination approval	✓
EC-Type-Examination approval (Machinery Regulation)	✓
Information according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

DIMENSIONAL DRAWING



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/6026139



SICK AG
WALDKIRCH
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

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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