Data sheet

UE410-2RO4

Flexi Classic

SAFETY CONTROLLERS

SICK
Sensor Intelligence.

Illustration may differ

Ordering information

Type	part no.
UE410-2RO4	6032677

Other models and accessories → www.sick.com/Flexi_Classic

Detailed technical data

Features

Module	Relay module
Configuration method	Hard wired

Safety-related parameters

Safety integrity level	SIL 3 (IEC 61508)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)

Interfaces

Outputs	2 enabling current paths
Number of control inputs	1 (B1)
Number of enable current contacts	2 (13/14, 23/24)
Number of signaling current paths	1 (Y14)
Number of signaling current contacts	1 (Y1/Y2)
Connection type	Plug-in spring terminals
Display elements	LEDs

Electronics

Protection class	III (EN 61140)
Voltage supply	Via FLEXBUS+
Power consumption	≤ 1.6 W
Internal power consumption	≤ 1.6 W [1)]

[1)] Via FLEXBUS+.

Overvoltage category	II (EN 61131-2)
Switching inputs	
Terminals	B1
Input voltage	18 V DC ... 30 V DC
Enabling current paths	
Terminals	13/14, 23/24
Type of output	Potential-free NO contacts, positively guided
Switching voltage	5 V AC/DC ... 253 V AC/DC
Current loading	10 mA ... 6 A
Signaling current paths	
Terminals	Y14
Type of output	NO contact, connected to internal 24 V DC, positively guided, current-limited
Output voltage	16 V DC ... 30 V DC
Output current	≤ 75 mA
Check-back current paths	
Terminals	Y1/Y2
Type of output	Potential-free NC contacts, positively guided
Switching voltage	5 V AC/DC ... 253 V AC/DC
Current loading	10 mA ... 6 A

[1] Via FLEXBUS+.

Mechanics

Dimensions (W x H x D)	22.5 mm x 96.5 mm x 120.8 mm
Weight	160 g (± 5 %)

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

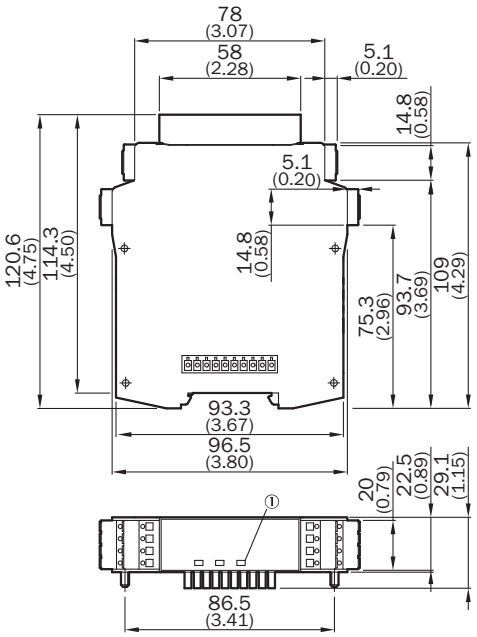
EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
CCC certificate	✓
UK-Type-Examination approval	✓
cULus certificate	✓

KC Mark certificate	✓
cTUVus certificate	✓
S Mark certificate	✓
EC-Type-Examination approval	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

Classifications

ECLASS 5.0	27243001
ECLASS 5.1.4	27243101
ECLASS 6.0	27243101
ECLASS 6.2	27243101
ECLASS 7.0	27243101
ECLASS 8.0	27243101
ECLASS 8.1	27243101
ECLASS 9.0	27243101
ECLASS 10.0	27243101
ECLASS 11.0	27243101
ECLASS 12.0	27243101
ETIM 5.0	EC001449
ETIM 6.0	EC001449
ETIM 7.0	EC001449
ETIM 8.0	EC001449
UNSPSC 16.0901	32151705

Dimensional drawing UE410-2RO4, UE410-4RO4



Dimensions in mm (inch)
① Only valid for UE410-4RO4

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com

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