

# UE410-4R0401

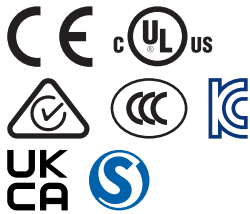
Flexi Classic

SAFETY CONTROLLERS

**SICK**  
Sensor Intelligence.



Illustration may differ



### Ordering information

Type	part no.
UE410-4R0401	6053182

Other models and accessories → [www.sick.com/Flexi\\_Classic](http://www.sick.com/Flexi_Classic)

### Detailed technical data

#### Features

<b>Module</b>	Relay module
<b>Specialty</b>	Protective coating for more challenging ambient conditions (e.g., resistance to sulfur).
<b>Configuration method</b>	Hard wired

#### Safety-related parameters

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

#### Interfaces

<b>Outputs</b>	4 enabling current paths
<b>Number of control inputs</b>	2 (B1, B2)
<b>Number of enable current contacts</b>	4 (13/14, 23/24, 33/34, 43/44)
<b>Number of signaling current paths</b>	2 (Y14, Y24)
<b>Number of signaling current contacts</b>	2 (Y1/Y2, Y3/Y4)
<b>Connection type</b>	Plug-in spring terminals
<b>Display elements</b>	LEDs

#### Electronics

<b>Protection class</b>	III (EN 61140)
<b>Voltage supply</b>	Via FLEXBUS+
<b>Power consumption</b>	≤ 3.2 W

<sup>1)</sup> Via FLEXBUS+.

<b>Internal power consumption</b>	≤ 3,2 W <sup>1)</sup>
<b>Overvoltage category</b>	II (EN 61131-2)
<b>Switching inputs</b>	
Terminals	B1, B2
Input voltage	18 V DC ... 30 V DC
<b>Enabling current paths</b>	
Terminals	13/14, 23/24, 33/34, 43/44
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
<b>Signaling current paths</b>	
Terminals	Y14, Y24
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
<b>Check-back current paths</b>	
Terminals	Y1/Y2, Y3/Y4
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

<sup>1)</sup> Via FLEXBUS+.

## Mechanics

<b>Dimensions (W x H x D)</b>	22.5 mm x 96.5 mm x 120.8 mm
<b>Weight</b>	186 g (± 5 %)

## Ambient data

<b>Enclosure rating</b>	
Housing	IP40 (EN 60529)
Terminals	IP20 (EN 60529)
<b>Ambient operating temperature</b>	-25 °C ... +55 °C
<b>Storage temperature</b>	-25 °C ... +70 °C
<b>Air humidity</b>	≤ 95 %, Non-condensing
<b>Climate conditions according to</b>	EN 61131-2 (55 °C ambient operating temperature, 95% rel. humidity)
<b>Electromagnetic compatibility (EMC)</b>	Class A (EN 61000-6-2, EN 55011)
<b>Single gas resistance (sulfur dioxide)</b>	25 ppm, 21 days, 25 °C (IEC 60068-2-42 - Kc)
<b>Mixed gas resistance</b>	100 ppb - H <sub>2</sub> S 2000 ppb - NO <sub>2</sub> 100 ppb - Cl <sub>2</sub> 2000 ppb - SO <sub>2</sub> 21 days, 30 °C (IEC 60068-2-60 Ke)

## Certificates

<b>EU declaration of conformity</b>	✓
<b>UK declaration of conformity</b>	✓

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

### Classifications

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

## 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](http://www.sick.com)