



# UE410-4R0401

Flexi Soft

SAFETY CONTROLLERS

**SICK**  
Sensor Intelligence.



Illustration may differ



### Ordering information

Number of enable current contacts	Number of signaling current paths	Number of signaling current contacts	Connection type	Protective coating	Type	Part no.
4	2	2	Plug-in spring terminals	✓	UE410-4R0401	6053182

Protective coating for more challenging ambient conditions (e.g., resistance to sulfur).

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

### Detailed technical data

#### Features

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

#### 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

#### Electrical data

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

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

	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-carrying capacity per OSSD	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-carrying capacity per OSSD	10 mA ... 6 A

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

Mechanical data

<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>Vibration resistance</b>		5 g RMS, 5 Hz ... 500 Hz (EN 60068-2-64)

Classifications

<b>eCl@ss 5.0</b>	27243001
<b>eCl@ss 5.1.4</b>	27243101
<b>eCl@ss 6.0</b>	27243101
<b>eCl@ss 6.2</b>	27243101
<b>eCl@ss 7.0</b>	27243101
<b>eCl@ss 8.0</b>	27243101
<b>eCl@ss 8.1</b>	27243101
<b>eCl@ss 9.0</b>	27243101
<b>eCl@ss 10.0</b>	27243101
<b>eCl@ss 11.0</b>	27243101

<b>eCI@ss 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)