



UE410-2R04

Flexi Soft

SAFETY CONTROLLERS

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Flexi Soft, Flexi Classic

	Number of enable current contacts	Number of signaling current paths	Number of signaling current contacts	Connection type	Type	Part no.
Relay modules	2	1	1	Plug-in spring terminals	UE410-2R04	6032677

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

Detailed technical data

Features

Module	Relay module
Configuration method	Hard wired

Safety-related parameters

Safety integrity level	SIL3 (IEC 61508) SILCL3 (EN 62061)
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

Electrical data

Protection class	III (EN 61140)
Voltage supply	Via FLEXBUS+
Power consumption	≤ 1.6 W
Internal power consumption	≤ 1.6 W ¹⁾
Overvoltage category	II (EN 61131-2)
Switching inputs	
Terminals	B1

¹⁾ Via FLEXBUS+.

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

¹⁾ Via FLEXBUS+.

Mechanical data

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		15 % ... 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)

Classifications

ECl@ss 5.0	27243001
ECl@ss 5.1.4	27243101
ECl@ss 6.0	27243101
ECl@ss 6.2	27243101
ECl@ss 7.0	27243101
ECl@ss 8.0	27243101
ECl@ss 8.1	27243101
ECl@ss 9.0	27243101
ECl@ss 10.0	27243101
ECl@ss 11.0	27243101

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