



UE410-4R04

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 | Type | Part no. |
|-----------------------------------|-----------------------------------|--------------------------------------|--------------------------|------------|----------|
| 4 | 2 | 2 | Plug-in spring terminals | UE410-4R04 | 6032676 |

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) |
| Category | Category 4 (EN ISO 13849) |
| Performance level | PL e (EN ISO 13849) |

Interfaces

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

Electrical data

| | |
|-----------------------------------|-----------------------|
| Protection class | III (EN 61140) |
| Voltage supply | Via FLEXBUS+ |
| Power consumption | ≤ 3.2 W |
| Internal power consumption | ≤ 3.2 W ¹⁾ |
| Overvoltage category | II (EN 61131-2) |
| Switching inputs | |
| Terminals | B1, B2 |
| Input voltage | 18 V DC ... 30 V DC |

¹⁾ Via FLEXBUS+.

| | |
|------------------------------------|---|
| Enabling current paths | |
| 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 |
| Signaling current paths | |
| 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 |
| Check-back current paths | |
| 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 |

¹⁾ Via FLEXBUS+.

Mechanical data

| | |
|-------------------------------|------------------------------|
| Dimensions (W x H x D) | 22.5 mm x 96.5 mm x 120.8 mm |
| Weight | 186 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) |

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 |
| eCl@ss 12.0 | 27243101 |

| | |
|-----------------------|----------|
| ETIM 5.0 | EC001449 |
| ETIM 6.0 | EC001449 |
| ETIM 7.0 | EC001449 |
| ETIM 8.0 | EC001449 |
| UNSPSC 16.0901 | 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