



# UE401-A0010

UE401

SAFETY RELAYS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
UE401-A0010	6027343

Other models and accessories → [www.sick.com/UE401](http://www.sick.com/UE401)

Illustration may differ



### Detailed technical data

#### Features

<b>Number of sensor pairs (sender and receiver)</b>	1 ... 8
<b>Response time</b>	≤ 30 ms

#### Safety-related parameters

<b>Safety integrity level</b>	SIL3 (IEC 61508) <sup>1)</sup> SILCL3 (EN 62061) <sup>1)</sup>
<b>Category</b>	Category 4 (EN ISO 13849) <sup>1)</sup>
<b>Performance level</b>	PL e (EN ISO 13849)
<b>PFH<sub>D</sub> (mean probability of a dangerous failure per hour)</b>	2.9 x 10 <sup>-10</sup> (EN ISO 13849) <sup>1)</sup>
<b>T<sub>M</sub> (mission time)</b>	20 years (EN ISO 13849) <sup>1)</sup>

<sup>1)</sup> Only in conjunction with L40 sensors.

#### Functions

	Functions	Delivery status
<b>Restart interlock</b>	✓	Activated
<b>External device monitoring (EDM)</b>	✓	Activated

#### Interfaces

<b>Connection type</b>	Plug-in screw-type terminals
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#### Electrical data

<b>Protection class</b>	III (IEC 61140)
<b>Supply voltage V<sub>S</sub></b>	24 V DC (19.2 V DC ... 28.8 V DC)
<b>Residual ripple</b>	≤ 5 V <sub>pp</sub>
<b>Power consumption</b>	≤ 3.6 W (DC)
<b>Switch-on time</b>	≤ 2.5 s

<sup>1)</sup> Applies to the voltage range between -30 V and +30 V.

Output signal switching devices (OSSDs)	
Type of output	2 PNP semiconductors, short-circuit protected, cross-circuit monitored <sup>1)</sup>
ON state, switching voltage HIGH	24 V DC (17.5 V DC ... 28.8 V DC)
OFF state, switching voltage LOW	≤ 1.3 V DC
Current-carrying capacity per OSSD	≤ 0.5 A

<sup>1)</sup> Applies to the voltage range between -30 V and +30 V.

### Mechanical data

<b>Dimensions (W x H x D)</b>	22.6 mm x 99 mm x 113.5 mm
<b>Weight</b>	+ 160 g
<b>Mounting</b>	Snap-on mounting on 35 mm mounting rail according to EN 60715

### Ambient data

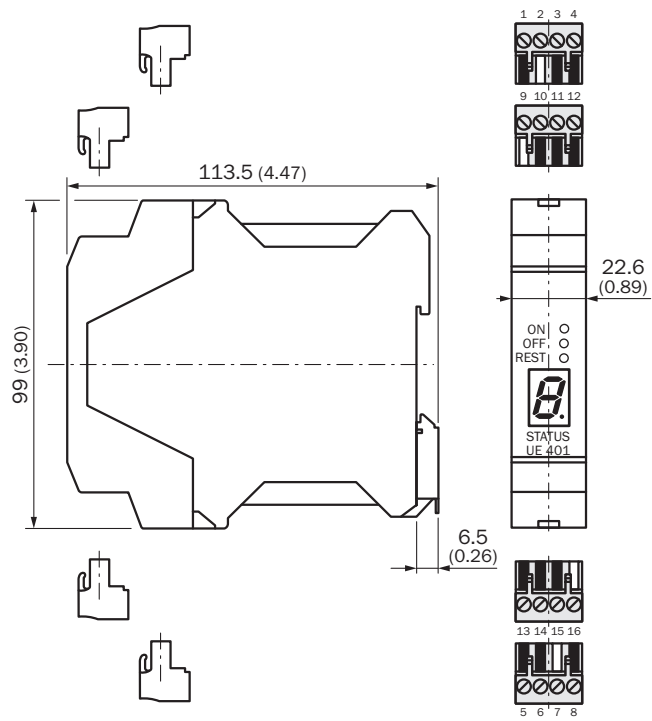
<b>Enclosure rating</b>	IP20 (EN 60529)
<b>Ambient operating temperature</b>	-20 °C ... +55 °C
<b>Storage temperature</b>	-25 °C ... +75 °C

### Classifications

<b>ECl@ss 5.0</b>	27371990
<b>ECl@ss 5.1.4</b>	27371990
<b>ECl@ss 6.0</b>	27371819
<b>ECl@ss 6.2</b>	27371819
<b>ECl@ss 7.0</b>	27371819
<b>ECl@ss 8.0</b>	27371819
<b>ECl@ss 8.1</b>	27371819
<b>ECl@ss 9.0</b>	27371819
<b>ETIM 5.0</b>	EC001449
<b>ETIM 6.0</b>	EC001449
<b>UNSPSC 16.0901</b>	41113704

### Dimensional drawing (Dimensions in mm (inch))

UE401



## 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)