Online data sheet



UE401-A0010

UE401

SAFETY RELAYS

SICK
Sensor Intelligence.



Illustration may differ

Ordering information

Type	Part no.
UE401-A0010	6027343

Other models and accessories → www.sick.com/UE401

Detailed technical data

Features

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

Safety-related parameters

Safety integrity level	SIL3 (IEC 61508) [1)] SILCL3 (EN 62061) [1)]
Category	Category 4 (EN ISO 13849) [1)]
Performance level	PL e (EN ISO 13849)
PFH_D (mean probability of a dangerous failure per hour)	2.9×10^{-10} (EN ISO 13849) [1)]
T_M (mission time)	20 years (EN ISO 13849) [1)]

[1)] Only in conjunction with L40 sensors.

Functions

	Functions	Delivery status
Restart interlock	✓	Activated
External device monitoring (EDM)	✓	Activated

Interfaces

Connection type	Plug-in screw-type terminals

Electrical data

Protection class	III (EN 50178)
Supply voltage V_S	24 V DC (19.2 V DC ... 28.8 V DC)
Residual ripple	≤ 5 V_{pp}
Power consumption	≤ 3.6 W (DC)
Switch-on time	≤ 2.5 s

[1)] 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 [1]
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

[1] Applies to the voltage range between –30 V and +30 V.

Mechanical data

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

Ambient data

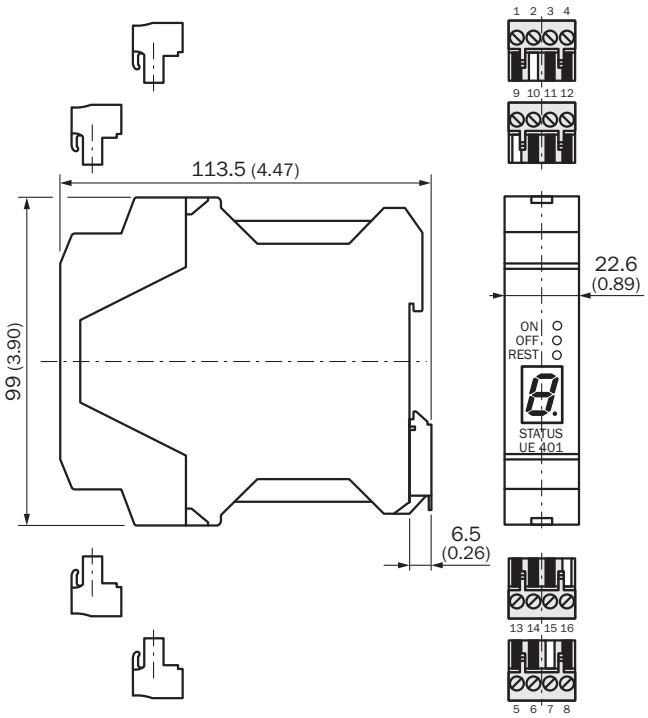
Enclosure rating	IP20 (EN 60529)
Ambient operating temperature	–20 °C ... +55 °C
Storage temperature	–25 °C ... +75 °C

Classifications

ECl@ss 5.0	27371990
ECl@ss 5.1.4	27371990
ECl@ss 6.0	27371819
ECl@ss 6.2	27371819
ECl@ss 7.0	27371819
ECl@ss 8.0	27371819
ECl@ss 8.1	27371819
ECl@ss 9.0	27371819
ETIM 5.0	EC001449
ETIM 6.0	EC001449
UNSPSC 16.0901	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