



DATA SHEET

UE401-A0010

UE401
System plugs and extension modules

SICK

Sensor Intelligence



SYSTEM PLUGS AND EXTENSION MODULES

UE401-A0010

ORDERING INFORMATION

Type	part no.
UE401-A0010	6027343

Further device versions and accessories at www.sick.com/UE401



DETAILED TECHNICAL DATA

FEATURES

Application	Evaluation unit
Response time	≤ 30 ms
Compatible sensor types	L4000 Systems single-beam photoelectric safety switches
Number of sensor pairs (sender and receiver)	1 ... 8

SAFETY-RELATED PARAMETERS

Type	Type 4 (IEC 61496-1) ¹⁾
Safety integrity level	SIL 3 (IEC 61508) ¹⁾
Category	Category 4 (EN ISO 13849) ¹⁾
Performance level	PL e (EN ISO 13849) ¹⁾
PFH _d (mean probability of a dangerous failure per hour)	2.9 x 10 ⁻¹⁰ (EN ISO 13849) ¹⁾
T _M (mission time)	20 years (EN ISO 13849) ¹⁾
Safe state in the event of a fault	At least one OSSD is in the OFF state.

¹⁾ Only in conjunction with L40 sensors.

FUNCTIONS

Restart interlock	✓
Restart interlock (delivery status)	Activated
External device monitoring (EDM)	✓
External device monitoring (delivery status)	Activated

INTERFACES

Connection type	Plug-in screw-type terminals
Permitted cable length	≤ 100 m
Permitted cross-section	0.25 mm ² ... 2.5 mm ²
Configuration method	Hard wired
Diagnostic display	7-segment display
Status display	LEDs

ELECTRONICS

Protection class	III (IEC 61140)
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
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.

MECHANICS

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

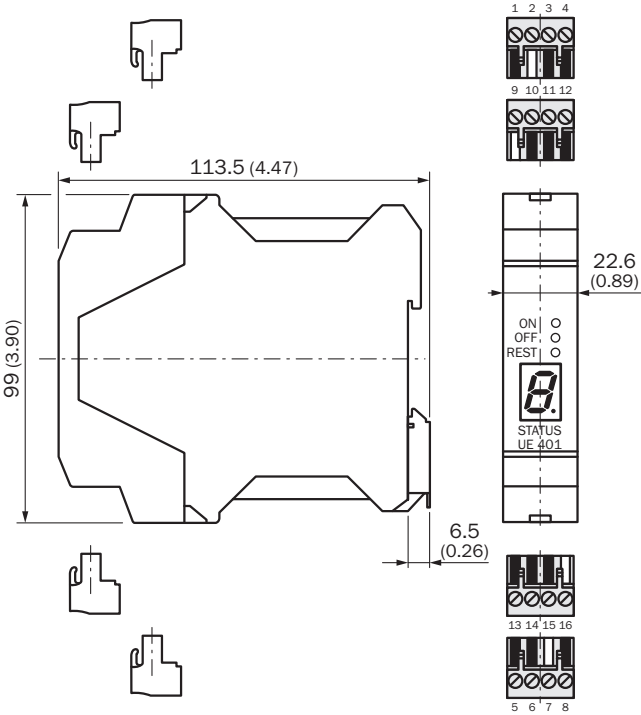
AMBIENT DATA

Enclosure rating	IP20 (EN 60529)
Ambient operating temperature	-20 °C ... +55 °C
Storage temperature	-25 °C ... +75 °C
Air humidity	15 % ... 95 %, Non-condensing
Vibration resistance	5 g, 10 Hz ... 55 Hz (EN 60068-2-6)
Shock resistance	10 g, 16 ms (EN 60068-2-29)

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
Moroccan declaration of conformity	✓
China RoHS	✓
cULus certificate	✓
EC-Type-Examination approval	✓

DIMENSIONAL DRAWING UE401



Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6027343

SICK AG
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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