



Single-beam photoelectric safety switch L4000 Systems

L40E-21KA1A, L40S-21KA1A



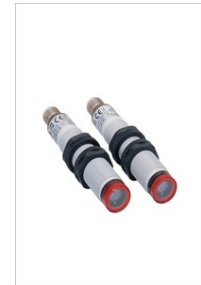
Receiver

Model Name > L40E-21KA1A
Part No. > 6027338



Sender

Model Name > L40S-21KA1A
Part No. > 6027337



At a glance

- Small M18 sensors with ranges up to 10 m
- Compact M30 sensors with ranges up to 60 m
- Up to 8 sensors can be cascaded
- Fast response time of max. 30 ms
- Narrow evaluation device (22.5 mm) with external device monitoring and restart interlock (EDM/RES)
- Temperature range from -20 °C ... + 55 °C
- Enclosure rating IP 67

Your benefits

- Easy integration due to small, compact versions with maximum range
- Flexible device integration makes it possible to set up individual protective fields
- Fast response times reduces safety distance and saves production area
- Extremely well suited for extreme ambient conditions such as heat, cold or moisture
- Straightforward configuration without a computer, only with the help of jumpers



Applications

Access protection (vertical): 1

Functions-Receiver

Muting with: Flexi Classic

Technical Data-Sender

Scanning range: 0 m ... 10 m
Number of beams: 1
Optical axis: axial
Aperture angle/receiving angle: according to type 4 (IEC 61496-2)

Light sender/type of light:	LED/visible red light
Wave length:	660 nm
Protection class:	III
Enclosure rating:	IP 67
Type:	Type 4 (IEC 61496) ¹⁾
Safety integrity level:	SIL3 (IEC 61508) SILCL3 (IEC 62061) ²⁾
Category:	category 4 (EN ISO 13849) ³⁾
Performance level:	PL e (EN ISO 13849) ⁴⁾
PFHd:	2.9 * 1E-10 ⁵⁾
TM (mission time):	20 a
Supply voltage typical, from, to:	24 V DC, 19.2 V DC, 28.8 V DC
Maximum power consumption:	≤ 60 mA
Design:	cylindrical
Dimensions (diameter x length):	M18 x 97.7 mm
Connection type:	plug M12 x 4, straight
Housing material:	Plastic
Lens material:	glass
Ambient operating temperature from ... to:	-20 °C ... 55 °C
Storage temperature from ... to:	-25 °C ... 75 °C
Air humidity from ... to:	non-condensing 15 ... 95 %
Vibration resistance (checked to):	5 g (IEC 60068-2-6)
Oscillation frequency from ... to:	10 Hz ... 55 Hz
Shock resistance:	10 g, 16 ms (IEC 60068-2-29)
Weight:	30 g

1) 2) 3) 4) 5) Only in conjunction with UE401

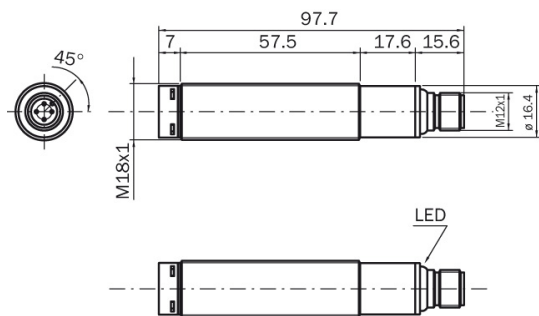
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Category:	category 4 (EN ISO 13849) ³⁾
Performance level:	PL e (EN ISO 13849) ⁴⁾
PFHd:	2.9 * 1E-10 ⁵⁾
TM (mission time):	20 a
Supply voltage typical, from, to:	24 V DC, 19.2 V DC, 28.8 V DC
Maximum power consumption:	≤ 30 mA
Design:	cylindrical
Dimensions (diameter x length):	M18 x 97.7 mm
Connection type:	plug M12 x 4, straight
Housing material:	Plastic
Lens material:	glass
Ambient operating temperature from ... to:	-20 °C ... 55 °C
Storage temperature from ... to:	-25 °C ... 75 °C
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Dimensional drawing



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