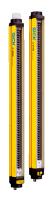


# XC40E-0603A0A0AAA0

C4000 Select

**SAFETY LIGHT CURTAINS** 





#### Ordering information

Resolution	Scanning range	Protective field height	System part	Туре	Part no.
30 mm	21 m	600 mm	Receiver	XC40E- 0603A0A0AAA0	1204116

Other models and accessories → www.sick.com/C4000\_Select

#### Illustration may differ



#### Detailed technical data

#### **Features**

Application	Normal industrial environment
System part	Receiver
Resolution	30 mm
Scanning range	21 m
Protective field height	600 mm
Synchronization	Optical synchronisation

#### Safety-related parameters

Туре	Type 4 (IEC 61496-1)
Safety integrity level	SIL 3 (IEC 61508)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
$\ensuremath{PFH_D}$ (mean probability of a dangerous failure per hour)	$3.2 \times 10^{-8}$ (EN ISO 13849)
T <sub>M</sub> (mission time)	20 years (EN ISO 13849)
Safe state in the event of a fault	At least one OSSD is in the OFF state.

#### **Functions**

	Functions	Delivery status
Protective operation	1	
Beam coding	1	Uncoded
Configurable scanning range	1	
Floating blanking	1	

#### Interfaces

System connection	Male connector M12, 5-pin
Permitted cable length	≤ 30 m <sup>1)</sup>

 $<sup>^{1)}</sup>$  Depending on load, power supply and wire cross-section. The technical specifications must be observed.

Configuration method	DIP switch
Display elements	7-segment display

 $<sup>^{1)}</sup>$  Depending on load, power supply and wire cross-section. The technical specifications must be observed.

#### Electrical data

Protection class	III (IEC 61140)
Supply voltage V <sub>S</sub>	24 V DC (19.2 V 28.8 V) <sup>1)</sup>
Residual ripple	≤ 10 % <sup>2)</sup>
Output signal switching devices (OSSDs)	
Type of output	2 PNP semiconductors, short-circuit protected, cross-circuit monitored
ON state, switching voltage HIGH	24 V DC (V <sub>S</sub> - 2.25 V DC V <sub>S</sub> )
OFF state, switching voltage LOW	2 V DC
Current-carrying capacity per OSSD	≤ 500 mA

<sup>1)</sup> The external voltage supply must be capable of buffering brief mains voltage failures of 20 ms as specified in EN 60204-1. Suitable power supplies are available as accessories from SICK.

#### Mechanical data

Dimensions	See dimensional drawing
Housing material	Aluminum extruded profile

#### Ambient data

Enclosure rating	IP65 (EN 60529)
Ambient operating temperature	0 °C +55 °C
Storage temperature	-25 °C +70 °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 60068-2-27)

#### Other information

Wave length	850 nm
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#### Classifications

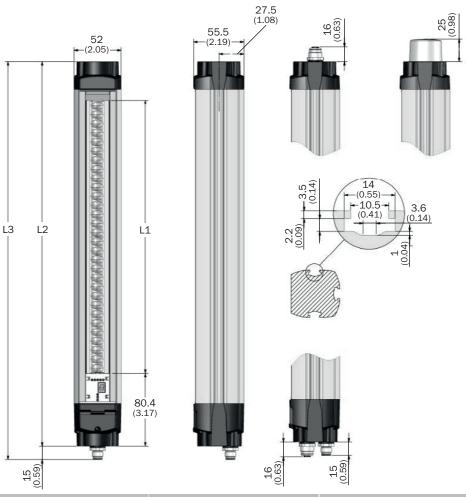
eCl@ss 5.0	27272704
-	
eCl@ss 5.1.4	27272704
eCl@ss 6.0	27272704
eCl@ss 6.2	27272704
eCl@ss 7.0	27272704
eCl@ss 8.0	27272704
eCl@ss 8.1	27272704
eCl@ss 9.0	27272704
eCl@ss 10.0	27272704
eCl@ss 11.0	27272704
eCl@ss 12.0	27272704
ETIM 5.0	EC002549

 $<sup>^{2)}</sup>$  Within the limits of  $\mbox{\rm V}_{\mbox{\scriptsize S}}.$ 

ETIM 6.0	EC002549
ETIM 7.0	EC002549
ETIM 8.0	EC002549
UNSPSC 16.0901	46171620

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

#### Receiver



Protective field height S	L1	L2	L3
300 (11.81)	302 (11.89)	425 (16.73)	440 (17.32)
450 (17.72)	452 (17.80)	575 (22.64)	590 (23.23)
600 (23.62)	602 (23.70)	725 (28.54)	740 (29.13)
750 (29.53)	752 (29.61)	875 (34.45)	890 (35.04)
900 (35.43)	902 (35.51)	1,025 (40.35)	1,040 (40.94)
1,050 (41.34)	1,052 (41.42)	1,175 (46.26)	1,190 (46.85)
1,200 (47.24)	1,202 (47.32)	1,325 (52.17)	1,340 (52.76)
1,350 (53.15)	1,352 (53.23)	1,475 (58.07)	1,490 (58.66)
1,500 (59.06)	1,502 (59.13)	1,625 (63.98)	1,640 (64.57)

Protective field height S	L1	L2	L3
1,650 (64.96)	1,652 (65.04)	1,775 (69.88)	1,790 (70.47)
1,800 (70.87)	1,802 (70.94)	1,925 (75.79)	1,940 (76.38)

#### Recommended accessories

Other models and accessories → www.sick.com/C4000\_Select

	Brief description	Туре	Part no.			
Alignment aid						
	Laser alignment aid for various sensors, laser class 2 (IEC 60825). Do not look into the beam!, 19 mm x 67.3 mm x 66.9 mm	AR60	1015741			
Optics cloths						
SICK	Cloth for cleaning optical surfaces	Lens cloth	4003353			
Mounting brackets and plates						
	4 pieces, Mounting kit 1, mounting bracket, rigid, L-shaped, including fixing screws and washers	BEF-3WNGBAST4	7021352			
Terminal and	Terminal and alignment brackets					
	4 pieces, Mounting kit 6, side bracket, rotatable, zinc diecast	BEF-1SHABAZN4	2019506			
	4 pieces, Mounting kit 12, rotatable, swivel mount	BEF-2SMGEAKU4	2030510			

## 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

