C25S-075103C11

C2000 Standard in IP69K Housing

SAFETY LIGHT CURTAINS

SICK
Sensor Intelligence.

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Illustration may differ

Ordering information

Protective field height	System part	Type	Part no.
750 mm	Sender	C25S-075103C11	1024196

Important notes: 1.) Concerns installation as a spare part: This type 2 device may be used as per section 1, paragraph (2a) of Machinery Directive 2006/42/EC within the EU as a spare part for identical PL d/SIL2 devices only if the machine was put on the market before 10/5/2015. Keep this note with your machine documentation. If the machine is resold, this note must be passed on to the next buyer. 2.) Concerns installation in new machines: Due to the amendment to the EN/IEC 61496-1 standard, this type 2 device may only be installed on new machines up to PLc/SIL1 as of 5/10/2015.

Other models and accessories ➜ www.sick.com/C2000_Standard_in_IP69K_Housing

Detailed technical data

Features

Resolution	30 mm
Protective field height	750 mm
Scanning range	0 m ... 4.5 m
Synchronization	Optical synchronisation

Safety-related parameters

Type	Type 2 (IEC 61496-1)
Safety integrity level	SIL 1 (IEC 61508)
Category	Category 2 (EN ISO 13849)
Test rate (internal test)	13 /s (EN ISO 13849) [1]
Maximum demand rate	≤ 8 min⁻¹ (EN ISO 13849) [2]
Performance level	PL c (EN ISO 13849)
PFH$_D$ (mean probability of a dangerous failure per hour)	2.2 x 10^{-8} (EN ISO 13849)
T$_M$ (mission time)	20 years (EN ISO 13849)
Safe state in the event of a fault	At least one OSSD is in the OFF state.

[1] Internal test. The test rate may not be exceeded if an external test is performed.

[2] Between two requirements on a safety-related response of the device, at least 100 internal or external tests must be carried out.

Functions

	Functions	Delivery status
Beam coding	✓	Uncoded

Interfaces

System connection	Cable 15 m, PVC

Cable diameter	6 mm
Conductor cross section	0.25 mm²
Configuration method	Hard wired
Display elements	7-segment display
Status display	LEDs

Electrical data

Protection class	III (EN 50178)

Mechanical data

Housing diameter	50 mm
Material	
End caps	Stainless steel V4A
Plastic tube	PMMA
Compensating element (membrane)	PA 6
PG connector	PA 6

Ambient data

Enclosure rating	IP69K, IP67, IP66, 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 (IEC 68-2-6)
Shock resistance	10 g, 16 ms (EN 60068-2-29)

Other information

Wave length	950 nm

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

Dimensional drawing (Dimensions in mm (inch))
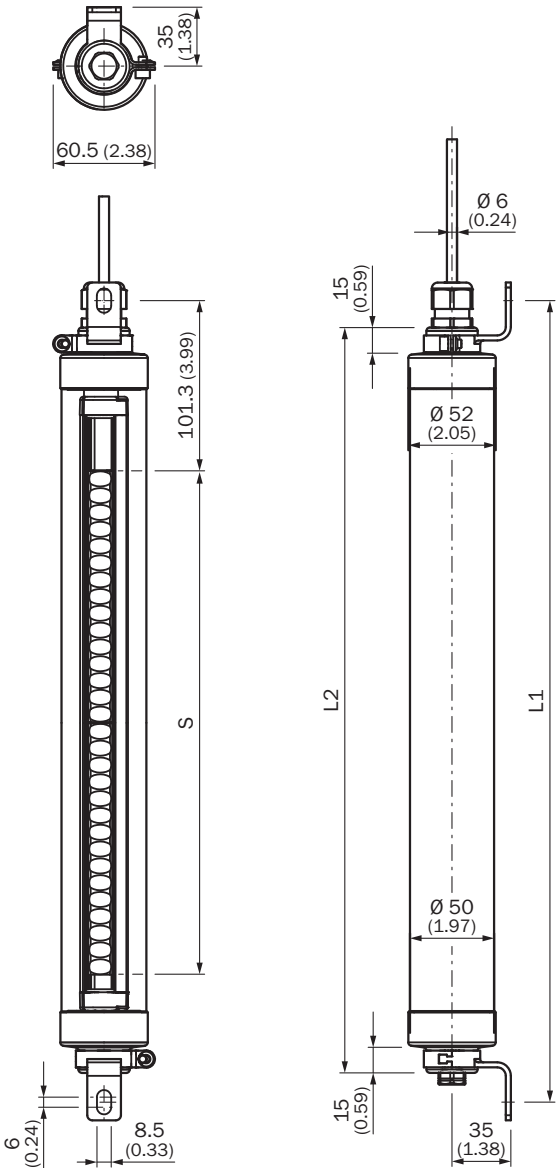
Illustration sender (receiver mirror image)

Protective field height S	L1	L2
150	357	324
300	476	443
450	626	593
600	777	744
750	927	894
900	1.078	1.045
1.050	1.228	1.195
1.200	1.382	1.349

Connection diagram

C2000 Standard to UE10-3OS safety relay

E117802/00/2014-06-18
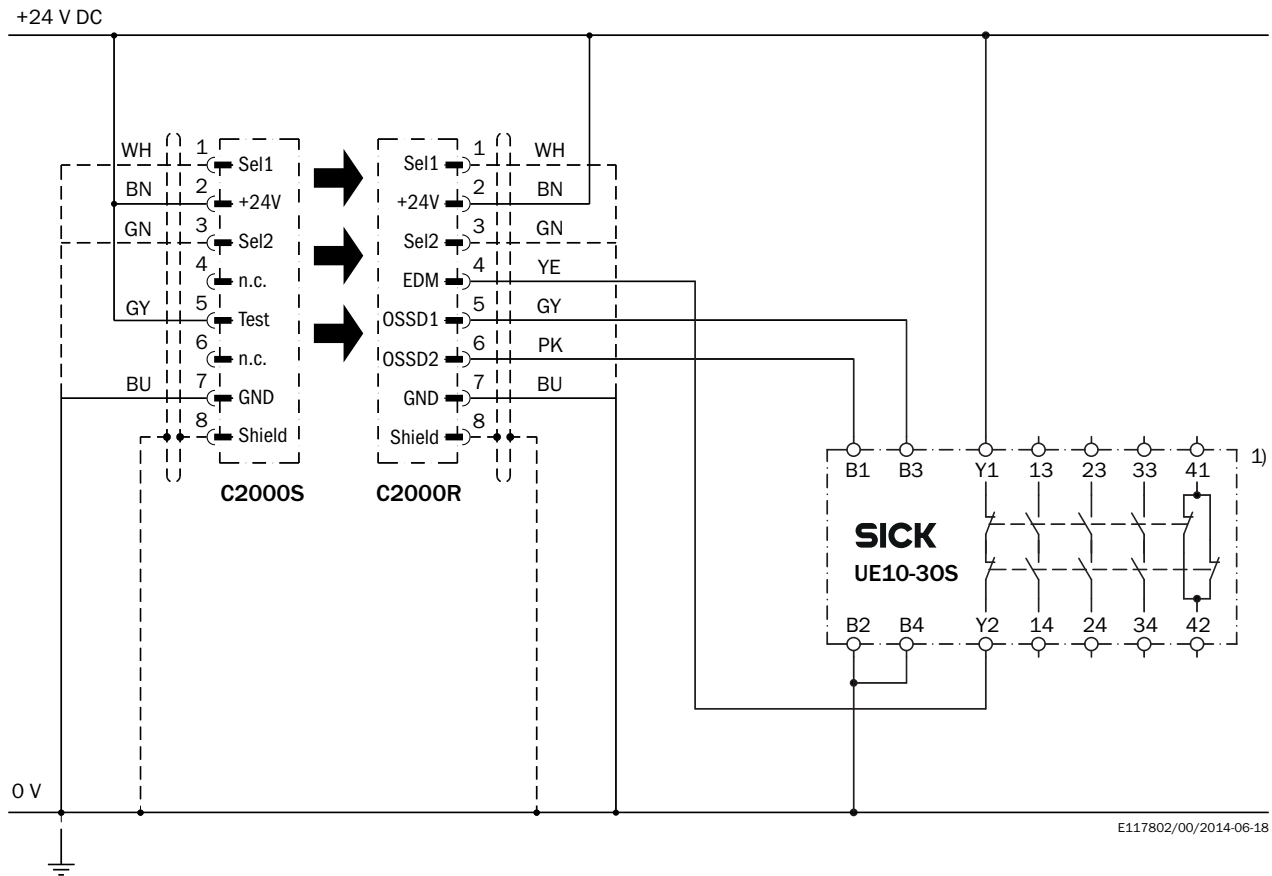
Recommended accessories

Other models and accessories ➜ www.sick.com/C2000_Standard_in_IP69K_Housing

Brief description	Type	Part no.
Device protection (mechanical)		
Bidirectional ventilation membrane made from Gore-Tex	Bidirectional ventilation membrane	5309082
Terminal and alignment brackets		
2 pieces, Stainless steel support bracket, stainless steel 1.4350	BEF-2AAAADES2	2026849
4 pieces, Reinforced stainless steel bracket, rotatable, stainless steel 1.4350, stainless steel 1.4301	BEF-2SMMVAES4	2026850

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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.

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