C4000 Micro in IP69K Housing

Comprehensive safety for stringent hygiene and cleaning requirements

SICK
Sensor Intelligence.

C4000 Micro in IP69K Housing

Technical data overview

Safety level	PL e, SIL 3, Type 4
Resolution	14 mm / 30 mm (depending on type)
Scanning range	1.8 m ... 14.5 m (depending on type)
Protective field height	150 mm ... 1,800 mm (depending on type)
Enclosure rating	IP69K, IP67, IP66, IP65
Ambient operating temperature	−30 °C ... +55 °C

Product description

The IP 69K-rated C4000 Micro safety light curtain is used for hazardous point protection in wash down areas, such as those found in the food and beverage industry. These compact safety light curtains are enclosed in a housing consisting of stainless steel, PA, PMMA and PVC, enabling them to be used with popular cleaning agents. These light curtains can even withstand the use of high pressure cleaners. In addition, a one-way valve not only ensures that the pressure is permanently balanced, but also prevents condensation from forming on the plastic tube and blocks liquids from penetrating the housing. Along with the device, the PVC cable ensures safe, reliable cable routing.

At a glance

• Type 4 (IEC 61496), SIL3 (IEC 61508), PL e (EN ISO 13849)
• IP 69K, IP 67, IP 66 and IP 65 enclosure ratings incl. cable
• Withstands wash-down pressure up to 100 bar and water temperature up to 80 °C
• ECOLAB and Diversey certified
• Resistant steel materials
• Ventilation valve prevents fogging of the front screen
• Smooth surfaces prevent accumulation of bacteria
• Compact design up to 1,800 mm protective field height

Your benefits

• Longer service life cuts costs. IP69K-tested product – from the housing materials right up to the connecting cable
• Productivity increases as personnel and service staff are able to access areas more quickly (light curtain replaces hard guards)
• Saves time during cleaning and is resistant to high-pressure cleaning agents
• Reliable protection, even when temperatures fluctuate significantly

Fields of application

• Food and beverage industry
• Dairy industry
• Meat industry
• Pharmaceutical industry
• Chemical industry (cleanroom)
• Machine tools

Ordering information

Other models and accessories ➜ www.sick.com/C4000_Micro_in_IP69K_Housing

- **System connection:** cable 15 m, PVC
- **Scanning range:** 1.8 m

Resolution	Protective field height	Sender		Receiver	
		Type	Part no.	Type	Part no.
14 mm	150 mm	C45S-0101AA220	1025720	C45E-0101AG220	1025721
	300 mm	C45S-0301AA220	1025722	C45E-0301AG220	1025723
	450 mm	C45S-0401AA220	1025727	C45E-0401AG220	1025728
	600 mm	C45S-0601AA220	1025732	C45E-0601AG220	1025733
	750 mm	C45S-0701AA220	1025737	C45E-0701AG220	1025738
	900 mm	C45S-0901AA220	1025742	C45E-0901AG220	1025743
	1,050 mm	C45S-1001AA220	1025747	C45E-1001AG220	1025748
	1,200 mm	C45S-1201AA220	1025753	C45E-1201AG220	1025754
	1,350 mm	C45S-1301AA220	1055506	C45E-1301AG220	1055507
	1,500 mm	C45S-1501AA220	1055511	C45E-1501AG220	1055512
	1,650 mm	C45S-1601AA220	1055516	C45E-1601AG220	1055517
	1,800 mm	C45S-1801AA220	1055521	C45E-1801AG220	1055522

- **System connection:** cable 15 m, PVC
- **Scanning range:** 4 m

Resolution	Protective field height	Sender		Receiver	
		Type	Part no.	Type	Part no.
14 mm	150 mm	C45S-0101AA220	1025720	C45E-0101BG220	1025719
	300 mm	C45S-0301AA220	1025722	C45E-0301BG220	1025726
	450 mm	C45S-0401AA220	1025727	C45E-0401BG220	1025731
	600 mm	C45S-0601AA220	1025732	C45E-0601AG220	1025736
	750 mm	C45S-0701AA220	1025737	C45E-0701BG220	1025741
	900 mm	C45S-0901AA220	1025742	C45E-0901BG220	1025746
	1,050 mm	C45S-1001AA220	1025747	C45E-1001BG220	1025752
	1,200 mm	C45S-1201AA220	1025753	C45E-1201BG220	1025757
	1,350 mm	C45S-1301AA220	1055506	C45E-1301BG220	1055510
	1,500 mm	C45S-1501AA220	1055511	C45E-1501BG220	1055515
	1,650 mm	C45S-1601AA220	1055516	C45E-1601BG220	1055520
	1,800 mm	C45S-1801AA220	1055521	C45E-1801BG220	1055525

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- **System connection:** cable 15 m, PVC
- **Scanning range:** 4.5 m

Resolution	Protective field height	Sender		Receiver	
		Type	Part no.	Type	Part no.
30 mm	150 mm	C45S-0103AA220	1025717	C45E-0103AG220	1025718
	300 mm	C45S-0303AA220	1025724	C45E-0303AG220	1025725
	450 mm	C45S-0403AA220	1025729	C45E-0403AG220	1025730
	600 mm	C45S-0603AA220	1025734	C45E-0603AG220	1025735
	750 mm	C45S-0703AA220	1025739	C45E-0703AG220	1025740
	900 mm	C45S-0903AA220	1025744	C45E-0903AG220	1025745
	1,050 mm	C45S-1003AA220	1025749	C45E-1003AG220	1025750
	1,200 mm	C45S-1203AA220	1025755	C45E-1203AG220	1025756
	1,350 mm	C45S-1303AA220	1055508	C45E-1303AG220	1055509
	1,500 mm	C45S-1503AA220	1055513	C45E-1503AG220	1055514
	1,650 mm	C45S-1603AA220	1055518	C45E-1603AG220	1055519
	1,800 mm	C45S-1803AA220	1055523	C45E-1803AG220	1055524

- **System connection:** cable 15 m, PVC
- **Scanning range:** 14.5 m

Resolution	Protective field height	Sender		Receiver	
		Type	Part no.	Type	Part no.
30 mm	150 mm	C45S-0103BA220	1055626	C45E-0103AG220	1025718
	300 mm	C45S-0303BA220	1055627	C45E-0303AG220	1025725
	450 mm	C45S-0403BA220	1055628	C45E-0403AG220	1025730
	600 mm	C45S-0603BA220	1055629	C45E-0603AG220	1025735
	750 mm	C45S-0703BA220	1055630	C45E-0703AG220	1025740
	900 mm	C45S-0903BA220	1055631	C45E-0903AG220	1025745
	1,050 mm	C45S-1003BA220	1055632	C45E-1003AG220	1025750
	1,200 mm	C45S-1203BA220	1055633	C45E-1203AG220	1025756
	1,350 mm	C45S-1303BA220	1055634	C45E-1303AG220	1055509
	1,500 mm	C45S-1503BA220	1055635	C45E-1503AG220	1055514
	1,650 mm	C45S-1603BA220	1055636	C45E-1603AG220	1055519
	1,800 mm	C45S-1803BA220	1055637	C45E-1803AG220	1055524

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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.

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."

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