

C4000 Advanced

保障机器安全性更高的同时提高生产率

SICK
Sensor Intelligence.



技术参数概览

安全等级	PL e, SIL 3, 类型 4
分辨率	14 mm ... 40 mm (取决于型号)
扫描范围	10 m / 21 m (取决于型号)
保护区高度	150 mm ... 1,800 mm (取决于型号)
外壳防护等级	IP65
工作环境温度	0 °C ... +55 °C

产品描述

安全光幕 C4000 Advanced 经济而可靠地隔离作业危险点和危险区域。集成的消隐功能允许限定对象进入防护区域内——如电缆或工作台——同时确保了操作者的安全。多系统级联为用户提供了高度的应用方案灵活性。诸如重启联锁和外部设备监控等功能使整机一体化简单。不同的固定适配器和智能化配件实现了灵活安装。通过可靠的 7 段显示实现节约时间的校准和诊断。C4000 Advanced 为机器提供了最高 PL e 防护级别的防护，可用的防护区域高度从 300 mm 至 1,800 mm 。

概览

- 类型 4 (IEC 61496)，SIL3 (IEC 61508)，PL e (EN ISO 13849)
- 多种消隐对象的可能性：固定、活动或示教
- 7 段显示
- 通过 UE402 评价单元间歇运行
- 外部设备监控 (EDM) 和重启联锁
- 用于高准度的系统排序的光束编码
- 通过 PC 配置和诊断
- 可级联，最多支持三套光幕

优点

- 消隐功能实现了可靠和安全的对象识别，并由此提高了生产率
- 通过 7 段显示节约校准和诊断时间
- 光束编码功能可防护多套光幕之间的干扰
- 通过 Clone 插头可以简单而迅速地复制配置，节约时间和成本
- 通过级联最多三个系统，提高灵活性并降低布线成本
- 便利的配置和诊断实现高可用性

应用范围

- 汽车及车辆制造
- 变型机床
- 塑料和橡胶工业
- 电子行业
- 机器人
- 印刷工业和造纸工业
- 木材工业
- 堆垛机

订购信息

其他设备规格和配件 ➜ www.sick.com/C4000_Advanced

- 系统接口: M12 8 针插头

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
14 mm	10 m	150 mm	C46S-0101CT400	1028796	C46E-0101CU400	1028820
			C46S-0101CT500	1028810	C46E-0101CU500	1028825
		300 mm	C46S-0301CT400	1028802	C46E-0301CU400	1028821
			C46S-0301CT500	1028812	C46E-0301CU500	1028826
		450 mm	C46S-0401CT400	1028804	C46E-0401CU400	1028822
			C46S-0401CT500	1028814	C46E-0401CU500	1028827
		600 mm	C46S-0601CT400	1028806	C46E-0601CU400	1028823
			C46S-0601CT500	1028816	C46E-0601CU500	1028828
		750 mm	C46S-0701CT400	1028808	C46E-0701CU400	1028824
			C46S-0701CT500	1028818	C46E-0701CU500	1028829
		900 mm	C46S-0901CT400	1040173	C46E-0901CU400	1040186
		1,050 mm	C46S-1001CT400	1040175	C46E-1001CU400	1040187
		1,200 mm	C46S-1201CT400	1040177	C46E-1201CU400	1040188
		1,350 mm	C46S-1301CT400	1040179	C46E-1301CU400	1040189
		1,500 mm	C46S-1501CT400	1040181	C46E-1501CU400	1040190
		1,650 mm	C46S-1601CT400	1040182	C46E-1601CU400	1040191
		1,800 mm	C46S-1801CT400	1040184	C46E-1801CU400	1040192
30 mm	21 m	150 mm	C46S-0103CT400	1028879	C46E-0103CU400	1028889
			C46S-0103CT500	1028901	C46E-0103CU500	1028894
		300 mm	C46S-0303CT400	1028881	C46E-0303CU400	1028890
			C46S-0303CT500	1028903	C46E-0303CU500	1028895
		450 mm	C46S-0403CT400	1028883	C46E-0403CU400	1028891
			C46S-0403CT500	1028905	C46E-0403CU500	1028896
		600 mm	C46S-0603CT400	1028885	C46E-0603CU400	1028892
			C46S-0603CT500	1028907	C46E-0603CU500	1028897
		750 mm	C46S-0703CT400	1028887	C46E-0703CU400	1028893
			C46S-0703CT500	1028909	C46E-0703CU500	1028898
		900 mm	C46S-0903CT400	1040193	C46E-0903CU400	1040207
		1,050 mm	C46S-1003CT400	1040195	C46E-1003CU400	1040208
		1,200 mm	C46S-1203CT400	1040197	C46E-1203CU400	1040209
		1,350 mm	C46S-1303CT400	1040199	C46E-1303CU400	1040210
		1,500 mm	C46S-1503CT400	1040201	C46E-1503CU400	1040211
		1,650 mm	C46S-1603CT400	1040203	C46E-1603CU400	1040212
		1,800 mm	C46S-1803CT400	1040205	C46E-1803CU400	1040213

不带有扩展接头的 C4000 Advanced

- 系统接口: 12 针 M26 Hirschmann 插头

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
14 mm	10 m	300 mm	C40S-0301CA010	1018591	C40E-0301CB010	1018781
		450 mm	C40S-0401CA010	1018347	C40E-0401CB010	1018782
		600 mm	C40S-0601CA010	1018593	C40E-0601CB010	1018783
		750 mm	C40S-0701CA010	1018595	C40E-0701CB010	1018784
		900 mm	C40S-0901CA010	1018597	C40E-0901CB010	1018785
		1,050 mm	C40S-1001CA010	1018599	C40E-1001CB010	1018786
		1,200 mm	C40S-1201CA010	1018601	C40E-1201CB010	1018787
		1,350 mm	C40S-1301CA010	1018603	C40E-1301CB010	1018788
		1,500 mm	C40S-1501CA010	1018605	C40E-1501CB010	1018789
		1,650 mm	C40S-1601CA010	1018607	C40E-1601CB010	1018790
		1,800 mm	C40S-1801CA010	1018609	C40E-1801CB010	1018791
20 mm	21 m	300 mm	C40S-0302CA010	1018613	C40E-0302CB010	1018792
		450 mm	C40S-0402CA010	1018615	C40E-0402CB010	1018793
		600 mm	C40S-0602CA010	1018617	C40E-0602CB010	1018794
	21 m	750 mm	C40S-0702CA010	1018619	C40E-0702CB010	1018795
		900 mm	C40S-0902CA010	1018621	C40E-0902CB010	1018796
		1,050 mm	C40S-1002CA010	1018623	C40E-1002CB010	1018797
		1,200 mm	C40S-1202CA010	1018625	C40E-1202CB010	1018798
		1,350 mm	C40S-1302CA010	1018627	C40E-1302CB010	1018799
		1,500 mm	C40S-1502CA010	1018629	C40E-1502CB010	1018800
		1,650 mm	C40S-1602CA010	1018631	C40E-1602CB010	1018801
		1,800 mm	C40S-1802CA010	1018633	C40E-1802CB010	1018802
30 mm	21 m	300 mm	C40S-0303CA010	1018635	C40E-0303CB010	1018803
		450 mm	C40S-0403CA010	1018637	C40E-0403CB010	1018804
		600 mm	C40S-0603CA010	1018639	C40E-0603CB010	1018805
		750 mm	C40S-0703CA010	1018641	C40E-0703CB010	1018806
		900 mm	C40S-0903CA010	1018643	C40E-0903CB010	1018807
		1,050 mm	C40S-1003CA010	1018645	C40E-1003CB010	1018809
		1,200 mm	C40S-1203CA010	1018647	C40E-1203CB010	1018810
		1,350 mm	C40S-1303CA010	1018649	C40E-1303CB010	1018811
		1,500 mm	C40S-1503CA010	1018651	C40E-1503CB010	1018812
		1,650 mm	C40S-1603CA010	1018653	C40E-1603CB010	1018813
		1,800 mm	C40S-1803CA010	1018655	C40E-1803CB010	1018814

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
40 mm	21 m	300 mm	C40S-0304CA010	1018657	C40E-0304CB010	1018815
		450 mm	C40S-0404CA010	1018659	C40E-0404CB010	1018816
		600 mm	C40S-0604CA010	1018661	C40E-0604CB010	1018817
		750 mm	C40S-0704CA010	1018663	C40E-0704CB010	1018818
		900 mm	C40S-0904CA010	1018665	C40E-0904CB010	1018819
		1,050 mm	C40S-1004CA010	1018667	C40E-1004CB010	1018820
		1,200 mm	C40S-1204CA010	1018669	C40E-1204CB010	1018821
		1,350 mm	C40S-1304CA010	1018671	C40E-1304CB010	1018822
		1,500 mm	C40S-1504CA010	1018673	C40E-1504CB010	1018823
		1,650 mm	C40S-1604CA010	1018675	C40E-1604CB010	1018824
		1,800 mm	C40S-1804CA010	1018677	C40E-1804CB010	1018825

- 系统接口: 12 针 M26 Hirschmann 插头
- 扩展接口: 12 针 M26 Hirschmann 插头

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
14 mm	10 m	300 mm	C40S-0301CA010	1018591	C40E-0301DB010	1018827
		450 mm	C40S-0401CA010	1018347	C40E-0401DB010	1018828
		600 mm	C40S-0601CA010	1018593	C40E-0601DB010	1018829
		750 mm	C40S-0701CA010	1018595	C40E-0701DB010	1018830
		900 mm	C40S-0901CA010	1018597	C40E-0901DB010	1018831
		1,050 mm	C40S-1001CA010	1018599	C40E-1001DB010	1018832
		1,200 mm	C40S-1201CA010	1018601	C40E-1201DB010	1018833
		1,350 mm	C40S-1301CA010	1018603	C40E-1301DB010	1018834
		1,500 mm	C40S-1501CA010	1018605	C40E-1501DB010	1018835
		1,650 mm	C40S-1601CA010	1018607	C40E-1601DB010	1018836
		1,800 mm	C40S-1801CA010	1018609	C40E-1801DB010	1018837
20 mm	21 m	300 mm	C40S-0302CA010	1018613	C40E-0302DB010	1018838
		450 mm	C40S-0402CA010	1018615	C40E-0402DB010	1018839
		600 mm	C40S-0602CA010	1018617	C40E-0602DB010	1018840
	21 m	750 mm	C40S-0702CA010	1018619	C40E-0702DB010	1018841
		900 mm	C40S-0902CA010	1018621	C40E-0902DB010	1018842
		1,050 mm	C40S-1002CA010	1018623	C40E-1002DB010	1018843
		1,200 mm	C40S-1202CA010	1018625	C40E-1202DB010	1018844
		1,350 mm	C40S-1302CA010	1018627	C40E-1302DB010	1018845
		1,500 mm	C40S-1502CA010	1018629	C40E-1502DB010	1018846
		1,650 mm	C40S-1602CA010	1018631	C40E-1602DB010	1018847
		1,800 mm	C40S-1802CA010	1018633	C40E-1802DB010	1018848

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
30 mm	21 m	300 mm	C40S-0303CA010	1018635	C40E-0303DB010	1018849
		450 mm	C40S-0403CA010	1018637	C40E-0403DB010	1018850
		600 mm	C40S-0603CA010	1018639	C40E-0603DB010	1018851
		750 mm	C40S-0703CA010	1018641	C40E-0703DB010	1018852
		900 mm	C40S-0903CA010	1018643	C40E-0903DB010	1018853
		1,050 mm	C40S-1003CA010	1018645	C40E-1003DB010	1018854
		1,200 mm	C40S-1203CA010	1018647	C40E-1203DB010	1018855
		1,350 mm	C40S-1303CA010	1018649	C40E-1303DB010	1018856
		1,500 mm	C40S-1503CA010	1018651	C40E-1503DB010	1018857
		1,650 mm	C40S-1603CA010	1018653	C40E-1603DB010	1018858
		1,800 mm	C40S-1803CA010	1018655	C40E-1803DB010	1018859
40 mm	21 m	300 mm	C40S-0304CA010	1018657	C40E-0304DB010	1018860
		450 mm	C40S-0404CA010	1018659	C40E-0404DB010	1018861
		600 mm	C40S-0604CA010	1018661	C40E-0604DB010	1018862
		750 mm	C40S-0704CA010	1018663	C40E-0704DB010	1018863
		900 mm	C40S-0904CA010	1018665	C40E-0904DB010	1018864
		1,050 mm	C40S-1004CA010	1018667	C40E-1004DB010	1018865
		1,200 mm	C40S-1204CA010	1018669	C40E-1204DB010	1018866
		1,350 mm	C40S-1304CA010	1018671	C40E-1304DB010	1018867
		1,500 mm	C40S-1504CA010	1018673	C40E-1504DB010	1018868
		1,650 mm	C40S-1604CA010	1018675	C40E-1604DB010	1018869
		1,800 mm	C40S-1804CA010	1018677	C40E-1804DB010	1018870

带有 12 针扩展接头 M26 的 C4000 Advanced

- 系统接口: 12 针 M26 Hirschmann 插头
- 扩展接口: 12 针 M26 Hirschmann 插头

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
14 mm	10 m	300 mm	C40S-0301DA010	1018690	C40E-0301DB010	1018827
		450 mm	C40S-0401DA010	1018349	C40E-0401DB010	1018828
		600 mm	C40S-0601DA010	1018692	C40E-0601DB010	1018829
		750 mm	C40S-0701DA010	1018694	C40E-0701DB010	1018830
		900 mm	C40S-0901DA010	1018696	C40E-0901DB010	1018831
		1,050 mm	C40S-1001DA010	1018698	C40E-1001DB010	1018832
		1,200 mm	C40S-1201DA010	1018700	C40E-1201DB010	1018833
		1,350 mm	C40S-1301DA010	1018702	C40E-1301DB010	1018834
		1,500 mm	C40S-1501DA010	1018704	C40E-1501DB010	1018835
		1,650 mm	C40S-1601DA010	1018706	C40E-1601DB010	1018836
		1,800 mm	C40S-1801DA010	1018708	C40E-1801DB010	1018837

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
20 mm	21 m	300 mm	C40S-0302DA010	1018710	C40E-0302DB010	1018838
		450 mm	C40S-0402DA010	1018712	C40E-0402DB010	1018839
		600 mm	C40S-0602DA010	1018714	C40E-0602DB010	1018840
	21 m	750 mm	C40S-0702DA010	1018716	C40E-0702DB010	1018841
		900 mm	C40S-0902DA010	1018718	C40E-0902DB010	1018842
		1,050 mm	C40S-1002DA010	1018720	C40E-1002DB010	1018843
		1,200 mm	C40S-1202DA010	1018722	C40E-1202DB010	1018844
		1,350 mm	C40S-1302DA010	1018724	C40E-1302DB010	1018845
		1,500 mm	C40S-1502DA010	1018726	C40E-1502DB010	1018846
		1,650 mm	C40S-1602DA010	1018728	C40E-1602DB010	1018847
		1,800 mm	C40S-1802DA010	1018730	C40E-1802DB010	1018848
30 mm	21 m	300 mm	C40S-0303DA010	1018733	C40E-0303DB010	1018849
		450 mm	C40S-0403DA010	1018735	C40E-0403DB010	1018850
		600 mm	C40S-0603DA010	1018737	C40E-0603DB010	1018851
		750 mm	C40S-0703DA010	1018739	C40E-0703DB010	1018852
		900 mm	C40S-0903DA010	1018741	C40E-0903DB010	1018853
		1,050 mm	C40S-1003DA010	1018743	C40E-1003DB010	1018854
		1,200 mm	C40S-1203DA010	1018745	C40E-1203DB010	1018855
		1,350 mm	C40S-1303DA010	1018747	C40E-1303DB010	1018856
		1,500 mm	C40S-1503DA010	1018749	C40E-1503DB010	1018857
		1,650 mm	C40S-1603DA010	1018751	C40E-1603DB010	1018858
		1,800 mm	C40S-1803DA010	1018753	C40E-1803DB010	1018859
40 mm	21 m	300 mm	C40S-0304DA010	1018755	C40E-0304DB010	1018860
		450 mm	C40S-0404DA010	1018757	C40E-0404DB010	1018861
		600 mm	C40S-0604DA010	1018759	C40E-0604DB010	1018862
		750 mm	C40S-0704DA010	1018762	C40E-0704DB010	1018863
		900 mm	C40S-0904DA010	1018765	C40E-0904DB010	1018864
		1,050 mm	C40S-1004DA010	1018767	C40E-1004DB010	1018865
		1,200 mm	C40S-1204DA010	1018769	C40E-1204DB010	1018866
		1,350 mm	C40S-1304DA010	1018771	C40E-1304DB010	1018867
		1,500 mm	C40S-1504DA010	1018773	C40E-1504DB010	1018868
		1,650 mm	C40S-1604DA010	1018775	C40E-1604DB010	1018869
		1,800 mm	C40S-1804DA010	1018777	C40E-1804DB010	1018870

带有 8 针扩展接头 M12 的 C4000 Advanced 主机

- 系统接口: 12 针 M26 Hirschmann 插头
- 扩展接口: M12 的插座，8 针

分辨率	扫描范围	保护区高度	发射器		接收器	
			类型	订货号	类型	订货号
14 mm	10 m	300 mm	C40S-0301DA040	1028969	C40E-0301DB040	1028989
		450 mm	C40S-0401DA040	1028967	C40E-0401DB040	1028990
		600 mm	C40S-0601DA040	1028971	C40E-0601DB040	1028991
		750 mm	C40S-0701DA040	1028973	C40E-0701DB040	1028992
		900 mm	C40S-0901DA040	1028975	C40E-0901DB040	1028993
		1,050 mm	C40S-1001DA040	1028977	C40E-1001DB040	1028994
		1,200 mm	C40S-1201DA040	1028979	C40E-1201DB040	1028995
		1,350 mm	C40S-1301DA040	1028981	C40E-1301DB040	1028996
		1,500 mm	C40S-1501DA040	1028983	C40E-1501DB040	1028997
		1,650 mm	C40S-1601DA040	1028985	C40E-1601DB040	1028998
		1,800 mm	C40S-1801DA040	1028987	C40E-1801DB040	1028999
30 mm	21 m	300 mm	C40S-0303DA040	1029001	C40E-0303DB040	1029023
		450 mm	C40S-0403DA040	1029003	C40E-0403DB040	1029024
		600 mm	C40S-0603DA040	1029005	C40E-0603DB040	1029025
		750 mm	C40S-0703DA040	1029007	C40E-0703DB040	1029026
		900 mm	C40S-0903DA040	1029009	C40E-0903DB040	1029027
		1,050 mm	C40S-1003DA040	1029011	C40E-1003DB040	1029028
		1,200 mm	C40S-1203DA040	1029013	C40E-1203DB040	1029029
		1,350 mm	C40S-1303DA040	1029015	C40E-1303DB040	1029030
		1,500 mm	C40S-1503DA040	1029017	C40E-1503DB040	1029031
		1,650 mm	C40S-1603DA040	1029019	C40E-1603DB040	1029032
		1,800 mm	C40S-1803DA040	1029021	C40E-1803DB040	1029033

SICK 概览

SICK 是工业用智能传感器和传感技术解决方案的主要制造商之一。独特的产品和服务范围为安全有效地控制流程创造良好的基础，防止发生人身事故并且避免环境污染。

我们在诸多领域拥有丰富的经验，熟知其流程和要求。这样我们就可以用智能传感器为客户提供其所需。在欧洲、亚洲和北美洲的应用中心，我们会根据客户的需求测试并优化系统解决方案。SICK 是值得您信赖的供应商和研发合作伙伴。

周密的服务更加完善我们的订单：SICK 全方位服务在机器整个寿命周期中提供帮助并保证安全性和生产率。

这对我们来说就是“传感智能”。

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