

**SAFETY LIGHT CURTAINS** 



SAFETY LIGHT CURTAINS



#### Ordering information

Note	Resolution	Scanning range	Protective field height	System part	Туре	Part no.
The system plug has to be ordered separately. For details, see "Acces- sories"., The system plug has to be or- dered sepa- rately. For de- tails, see "Ac- cessories".	14 mm	20 m	450 mm	Sender	C4P- SG04511A00	1112497

The system plug has to be ordered separately. For details, see "Accessories".

Other models and accessories -> www.sick.com/deTec



#### Detailed technical data

#### Features

Sub product familydeTec4 HGApplicationAreas where coolants, lubricants and cleaning agents are usedSystem partSenderResolution14 mmScanning range20 mProtective field height450 mmNo blind zonesYesSynchronizationOptical synchronisationIntegrated laser alignment aidITypeSenderSafety-trelated parametersSil (EC 61508)Futger of Learny (ISO 13849-1)Category (ISO 13849-1)Performance levelPic (ISO 13849-1)Performance level1.5 x 10.9Single dewi1.5 x 10.9Single dewith two guest dewith two gue	ApplicationAcea where coolants, lubricants and cleaning agents are usedSystem partSenderResolution14 mmScaning range20 mProtective field height450 mmNo blind zonesYesSynchronizationOtical synchronisationIntegrated laser alignment ald✓Totective field heightSonderSterberschaftSinderIntegrated laser alignment ald✓SterberschaftSinderSterberschaftSinderSterberschaftSinder SinderSterberschaftSinder SinderPareSinder Sinder SinderSterberschaftSinder Sinder SinderPreformance levelPer (Stol 3849-1)Preformance levelSinder Sinder SinderSinder Sinder Sinder SinderSinder Sinder SinderSinder Sinder Sinder Sinder SinderSinder Sinder SinderSinder Sinder Sinder Sinder Sinder Sinder Sinder Sinder Sinder SinderSinder SinderSinder Sinder Si		
System partSenderResolution14 mmScanning range20 mProtective field height450 mmNo blind zonesYesSynchronizationOptical synchronisationIntegrated laser alignment aid✓Items suppliedSenderSafety-related parametersSinderTypeSing (Lic G1496-1)Safety integrity levelSil 3 (IEC 61508)CategoryCategory 4 (ISO 13849-1)Performance levelPL e (ISO 13849-1)PFH <sub>b</sub> (mean probability of a dangerous fail ure per hour)Single deviceSingle device30.5 x 10.9Sons 20.5 x 10.930.5 x 10.9	System partSenderResolution44 mmScanning range00 mProtective field height450 mmNo blind zonesVesSynchronizationOtical synchronisationIntegrated laser alignment aid✓tems suppliedSenderSafety-related parametersSinderTypeSpe4 (Ec 61496-1)Safety Integrity levelSil (EC 61508)CategoryActegory 4 (Sol 3849-1)Performance levelPe (Sol 3849-1)Phy(mean probability of a dangerous line of a singe dangerSil Sil Sil Sil Sil Sil Sil Sil Sil Sil	Sub product family	deTec4 HG
Resolution14 mmScaning range20 mProtective field height450 mmProtective field height450 mmNo blind zonesVesSynchronizationOptical synchronisationIntegrated laser alignment aid✓Items suppliedSonderSafety-related parametersSingle deviceProfermance levelNe 4 (ISC 013849-1)Performance levelNe (ISC 013849-1)Profermance levelSingle deviceSingle device15.3 × 10.9Cascade with one gene30.5 × 10.9	Resolution14 mmScaning range20 mProtective field height50 mmNo blind zonesVesNo blind zones0 total such noisationStantant and tems suppliedI de anschammer de an	Application	Areas where coolants, lubricants and cleaning agents are used
Notified20 mProtective field height450 mmNo blind zonesVesSynchronizationOtical synchronisationIntegrated laser alignment aid·Items suppliedSenderSafety-related parametersVesTypeSynch (EC 61496-1)Safety integrity levelSul (EC 61508)CategoryPet 6(S0 13849-1)Performance levelPet (S0 13849-1)PHp (mean probability of a dangerous fail ure per hour)Single deviceSingle deviceSingle deviceSongle deviceSingle deviceSongle deviceSingle deviceSongle deviceSingle device<	Scanning range20 mScanning range20 mProtective field height450 mmNo blind zonesVesSynchronizationOtical synchronisationIntegrated laser alignment aid tems suppliedImage: ConstructionStafety-related parameters:SonderTypeSpe 4 (EC 61496-1)Safety integrity levelCos (Ga (Sa (Sa (Sa (Sa (Sa (Sa (Sa (Sa (Sa (S	System part	Sender
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No blind zonesYesSynchronizationOptical synchronisationIntegrated laser alignment aid✓Items suppliedSenderSafety-related parametersYes 4 (IEC 61496-1)Safety integrity levelSil 3 (IEC 61508)CategoryActegory 4 (ISC 013849-1)Performance levelPL e (ISC 013849-1)PFHb_(mean probability of a dangerous fail treper hour)Single deviaSingle devia51.3 x10°Single devia<	No blind zonesYesSynchronizationOptical synchronisationIntegrated laser alignment aid✓Items suppliedSonderStafety-related parametersTypeSafety integrity levelSingle Gal SupplicationPerformance levelPer (SD S13849-1)PHFb_(mean probability of a dangerous fail Cascade with one gal Gascade with one gal Cascade with one gal Cascade with to gal sch SupplicationSingle Gal SupplicationNote Stafe SupplicationSingle Gal SupplicationCascade with to gal SupplicationSingle Gal SupplicationSupplicationSingle Gal SupplicationSupplicat	Scanning range	20 m
SynchronizationOptical synchronisationIntegrated laser alignment aidIntegrated laser alignment aidItems suppliedSenderStafety-related parametersTypeMpe 4 (EC 61496-1)Safety integrity levelSIL 3 (EC 61508)CategoryCategory 4 (ISO 13849-1)Performance levelPer (ISO 13849-1)PFHb_(mean probability of a dangerous fail Cascade with one guide data in the synchronic data in the synchroni	SynchronizationOptical synchronisationIntegrated laser alignment aidIntegrated laser alignment aidItems suppliedSonderStateursSonderStateursSonderStateursSonderStatey integrity levelNpe 4 (EC 61496-1)CategoryNpe 4 (EC 61496-1)Performance levelPerformance levelFHp (mean probability of a dangerous finge device)No. 2013/2013/2013/2013/2013/2013/2013/2013/	Protective field height	450 mm
Integrated laser alignment aid✓Items suppliedSenderSafety-related parametersTypeTypeMpe 4 (EC 61496-1)Safety integrity levelSL 3 (EC 61508)CategoryCategory 4 (So 13849-1)Performance levelPte (So 13849-1)PFHb_(mean probability of a dangerous dangerous dangerous constructionSingle daviaSingle davia5.3 × 10 <sup>9</sup> Socade with one gene3.0 × 10 <sup>9</sup>	Integrated laser alignment ali	No blind zones	Yes
Items suppliedSenderItems suppliedSenderSafety-related parametersTypeTypeType 4 (IEC 61496-1)Safety integrity levelSil 3 (IEC 61508)CategoryCategory 4 (ISO 13849-1)Performance levelPL e (ISO 13849-1)PFHb (mean probability of a dangerous fail ure per hour)Single deviceSingle device15.3 × 10.9Sonder with one guese30.5 × 10.9	Items suppliedSenderItems suppliedSenderSafety:related parametersTypeTypeType 4 (IEC 61496-1)Safety integrity levelSil 3 (IEC 61508)CategoryCategory 4 (ISO 13849-1)Performance levelPL e (ISO 13849-1)PFHp (mean probability of a dangerous fail ure per hour)Single deviceSingle device5.3 × 10°Songle device3.0 × 10°Cascade with now guessed5.6 × 10°	Synchronization	Optical synchronisation
Safety-related parameters       Type     Type 4 (IEC 61496-1)       Safety integrity level     SIL 3 (IEC 61508)       Category     Category 4 (ISO 13849-1)       Performance level     PL e (ISO 13849-1)       PFH <sub>D</sub> (mean probability of a dangerous fail- ure per hour)     PL e (ISO 13849-1)       Single device     15.3 × 10 <sup>.9</sup> Socade with one guese     30.5 × 10 <sup>.9</sup>	Safety-related parameters       Type     Type 4 (IEC 61496-1)       Safety integrity level     SIL 3 (IEC 61508)       Category     Category 4 (ISO 13849-1)       Performance level     PL e (ISO 13849-1)       PFHp (mean probability of a dangerous failure per hour)     15.3 x 10 <sup>.9</sup> Single device     30.5 x 10 <sup>.9</sup> Cascade with two guest device     45.6 x 10 <sup>.9</sup>	Integrated laser alignment aid	1
TypeType 4 (IEC 61496-1)Safety integrity levelSI 3 (IEC 61508)CategoryCategory 4 (ISO 13849-1)Performance levelPL e (ISO 13849-1)PFHp_ (mean probability of a dangerous failure per hour)Single dowingSingle dowing15.3 x 10.9Cascade with one geoge30.5 x 10.9	TypeType 4 (IEC 61496-1)Safety integrity levelSIL 3 (IEC 61508)CategoryCategory 4 (SO 13849-1)Performance levelPL e (SO 13849-1)PFHb (mean probability of a dangerous fail ure per hour)Single davieSingle davie5.3 × 10-9Cascade with two guest davie3.05 × 10-9Cascade with two guest davie5.6 × 10-9	Items supplied	Sender
Safety integrity levelSL3 (EC 61508)CategoryCategory 4 (S0 13849-1)Performance levelPe (ISO 13849-1)FHP_ (mean probability of a dangerous changerous changer	Safety integrity levelSL3 (BC G1508)CategoryCategory (Category)Performance levelPer (SD 13849-1)DFHb_(mean probability of a dangerous faile ure per hour)SIG (SD 3349-1)Single develSingle develSingle develSingle develCascade with wo guest develSingle devel <t< th=""><th>Safety-related parameters</th><th></th></t<>	Safety-related parameters	
Category     Category 4 (ISO 13849-1)       Performance level     PL e (ISO 13849-1)       PFH <sub>D</sub> (mean probability of a dangerous failure per hour)     Single device       Single device     15.3 x 10 <sup>.9</sup> Cascade with one guese     30.5 x 10 <sup>.9</sup>	CategoryCategory 4 (ISO 13849-1)Performance levelPL e (ISO 13849-1)PFHb (mean probability of a dangerous failure per hour)Iso 13849-1)Single devel15.3 × 10 <sup>-9</sup> Cascade with one guest30.5 × 10 <sup>-9</sup> Cascade with two guest device45.6 × 10 <sup>-9</sup>	Туре	Type 4 (IEC 61496-1)
Performance level     PL e (ISO 13849-1)       PFH <sub>D</sub> (mean probability of a dangerous fail- ure per hour)     iso 13849-1       Single device     15.3 x 10 <sup>-9</sup> 30.5 x 10 <sup>-9</sup>	Performance levelPL e (ISO 13849-1)PFHp (mean probability of a dangerous failure per hour)ISINGLE deviceSingle device15.3 x 10.9Cascade with one guest30.5 x 10.9Cascade with two guest devices45.6 x 10.9	Safety integrity level	SIL 3 (IEC 61508)
PFH <sub>D</sub> (mean probability of a dangerous failure per hour)     isingle device       Single device     15.3 x 10 <sup>-9</sup> Cascade with one guest     30.5 x 10 <sup>-9</sup>	PFH <sub>b</sub> (mean probability of a dangerous failure per hour)     Image: Single device per hour       Single device     15.3 × 10 <sup>-9</sup> Cascade with one guest     30.5 × 10 <sup>-9</sup> Cascade with two guest devices     45.6 × 10 <sup>-9</sup>	Category	Category 4 (ISO 13849-1)
ure per hour)     Single device       15.3 x 10 <sup>-9</sup> Cascade with one guest       30.5 x 10 <sup>-9</sup>	ure per hour)     Single device       Single device     15.3 × 10 <sup>-9</sup> Cascade with one guest     30.5 × 10 <sup>-9</sup> Cascade with two guest devices     45.6 × 10 <sup>-9</sup>	Performance level	PL e (ISO 13849-1)
Cascade with one guest $30.5 \times 10^{-9}$	Cascade with one guest30.5 x 10 <sup>-9</sup> Cascade with two guest devices45.6 x 10 <sup>-9</sup>	2	
	Cascade with two guest devices $45.6 \times 10^{-9}$	Single device	15.3 x 10 <sup>-9</sup>
Cascade with two guest devices 45.6 x 10 <sup>-9</sup>		Cascade with one guest	30.5 x 10 <sup>-9</sup>
	T <sub>M</sub> (mission time)         20 years (ISO 13849-1)	Cascade with two guest devices	45.6 x 10 <sup>-9</sup>
T <sub>M</sub> (mission time)         20 years (ISO 13849-1)		T <sub>M</sub> (mission time)	20 years (ISO 13849-1)

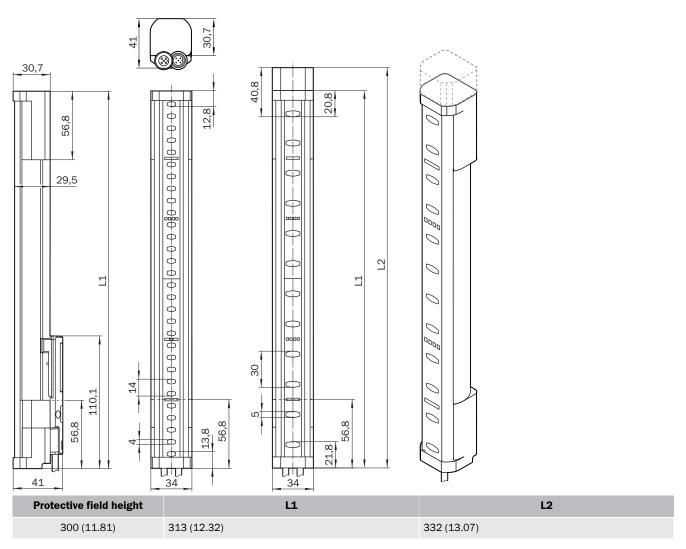
# C4P-SG04511A00 | deTec SAFETY LIGHT CURTAINS

Safe state in the event of a fault	At least one OSSD is in the OFF state.
Functions	
Protective operation	✓
Automatic calibration of the protective field width	✓
Beam coding	✓
Cascading	✓
Smart presence detection	✓
Interfaces	
System connection	Depending on system plug (M12 male connector, 5-pin or 8-pin)
Extension connection	Depending on system plug (without extension connection or with M12 female connector, 5-pin)
Configuration method	DIP switch on system plug
Display elements	LEDs
Electrical data	
Protection class	III (IEC 61140)
Supply voltage V <sub>s</sub>	24 V DC (19.2 V 28.8 V)
Ripple	≤ 10 %
Power consumption typical	1.51 W (DC)
Mechanical data	
Dimensions	See dimensional drawing
Housing material	Aluminum extruded profile
Front screen material	Chemically prestressed float glass
Ambient data	
Enclosure rating	IP65 (IEC 60529) IP67 (IEC 60529)
Ambient operating temperature	-30 °C +55 °C
Storage temperature	-30 °C +70 °C
Air humidity	15 % 95 %, Non-condensing
Vibration resistance	5 g, 10 Hz 55 Hz (IEC 60068-2-6)
Shock resistance	10 g, 16 ms (IEC 60068-2-27)
Other information	
Wave length	850 nm
Type of light	Near-infrared (NIR), invisible
Integrated laser alignment aid	✓
Laser class	1
Wave length	650 nm
Type of light	Visible red light
Classifications	
ECLASS 5.0	27272704
ECLASS 5.1.4	27272704
ECLASS 6.0	27272704

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ECLASS 6.2	27272704
ECLASS 7.0	27272704
ECLASS 8.0	27272704
ECLASS 8.1	27272704
ECLASS 9.0	27272704
ECLASS 10.0	27272704
ECLASS 11.0	27272704
ECLASS 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))



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Protective field height	L1	L2
450 (17.72)	463 (18.23)	482 (18.98)
600 (23.62)	613 (24.13)	632 (24.88)
750 (29.53)	763 (30.04)	782 (30.79)
900 (35.43)	913 (35.94)	932 (36.69)
1,050 (41.34)	1,063 (41.85)	1,082 (42.6)
1,200 (47.24)	1,213 (47.75)	1,232 (48.5)
1,350 (53.15)	1,362 (53.62)	1,381 (54.37)
1,500 (59.06)	1,512 (59.53)	1,531 (60.28)
1,650 (64.96)	1,662 (65.43)	1,681 (66.18)
1,800 (70.87)	1,812 (71.34)	1,831 (72.09)
1,950 (76.77)	1,962 (77.24)	1,981 (77.99)
2,100 (82.68)	2,112 (83.15)	2,131 (83.9)

#### **Recommended accessories**

Other models and accessories -> www.sick.com/deTec

	Brief description	Туре	Part no.				
Connection m	Connection modules						
	IO-Link V1.1 Class A port, USB2.0 port, optional external power supply 24V / 1A $$	IOLA2US-01101 (SiLink2 Master)	1061790				
	Connector for connecting an IO-Link master and up to 2 muting sensors to a safety light curtain or a multiple light beam safety device	IO-Link connector	2092757				
	Connector for connecting 2 muting sensors and a muting lamp to a safety light curtain or a multiple light beam safety device	Muting connector	2092758				
Muting acces	sories						
	Sensor bracket G6 and P250	BEF-2KHAAAKU1	2113145				
â	Universal holder for round steel arms and muting arms, for mounting sensors or reflec- tors	BEF-KHS-N01	2044953				
	Muting arm bracket for deTec safety light curtain or deTem safety multibeam sensor	Muting arm bracket	2106455				
-	Muting arm, long	Muting arm, long	2111923				
-	Muting arm, short	Muting arm, short	2111924				
Reflectors							
	Rectangular, screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 hole mount- ing	P250	5304812				

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	Brief description	Туре	Part no.
Terminal and	alignment brackets		
Red)	4 pieces, FlexFix bracket for 2 devices (e.g. sender and receiver), can be aligned $\pm$ 15 °, including M5 screw, plastic	BEF-1SHABPKU4	2066614
1	4 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plastic	BEF-3SHABPKU4	2098710
<b>A</b> .,	<ul> <li>Connection type head A: Female connector, M12, 5-pin, A-coded</li> <li>Connection type head B: Male connector, M12, 5-pin, A-coded</li> <li>Connection type head C: Female connector, M12, 5-pin, A-coded</li> <li>Description: T-piece for simultaneous connection to sender and receiver, splits the cable from the control cabinet to the sender and receiver</li> <li>Note: 5-pin</li> </ul>	DSC- 1205T000025KM0	6030664
S.	<ul> <li>Connection type head A: Female connector, M12, 8-pin, A-coded</li> <li>Connection type head B: Female connector, M12, 8-pin, A-coded</li> <li>Connection type head C: Male connector, M12, 8-pin, A-coded</li> <li>Description: T-distributor for simultaneous connection to sender and receiver, splits the cable from the control cabinet between the sender and receiver</li> <li>Note: 8-pin</li> </ul>	DSC- 1208T000025KM0	6058647
×.	<ul> <li>Connection type head A: Female connector, M12, 5-pin, straight, A-coded</li> <li>Connection type head B: Flying leads</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 2 m, 5-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A15- 020UB5XLEAX	2095617
×.	<ul> <li>Connection type head A: Female connector, M12, 5-pin, straight, A-coded</li> <li>Connection type head B: Flying leads</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 5 m, 5-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A15- 050UB5XLEAX	2095618
×.	<ul> <li>Connection type head A: Female connector, M12, 5-pin, straight, A-coded</li> <li>Connection type head B: Flying leads</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 10 m, 5-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A15- 100UB5XLEAX	2095619
×.	<ul> <li>Connection type head A: Female connector, M12, 8-pin, straight, A-coded</li> <li>Connection type head B: Flying leads</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 5 m, 8-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A18- 050UA5XLEAX	2095653
×.	<ul> <li>Connection type head A: Female connector, M12, 8-pin, straight, A-coded</li> <li>Connection type head B: Flying leads</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 10 m, 8-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A18- 100UA5XLEAX	2095654
10 10	<ul> <li>Connection type head A: Female connector, M12, 5-pin, straight, A-coded</li> <li>Connection type head B: Male connector, M12, 5-pin, straight, A-coded</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 2 m, 5-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A15- 020UB5M2A15	2096009

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	Brief description	Туре	Part no.
10 10	<ul> <li>Connection type head A: Female connector, M12, 5-pin, straight, A-coded</li> <li>Connection type head B: Male connector, M12, 5-pin, straight, A-coded</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 5 m, 5-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A15- 050UB5M2A15	2096010
1000	<ul> <li>Connection type head A: Female connector, M12, 5-pin, straight, A-coded</li> <li>Connection type head B: Male connector, M12, 5-pin, straight, A-coded</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 10 m, 5-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A15- 100UB5M2A15	2096011
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<ul> <li>Connection type head A: Female connector, M12, 8-pin, straight, A-coded</li> <li>Connection type head B: Male connector, M12, 8-pin, straight, A-coded</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 2 m, 8-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A18- 020UA5M2A18	2096033
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<ul> <li>Connection type head A: Female connector, M12, 8-pin, straight, A-coded</li> <li>Connection type head B: Male connector, M12, 8-pin, straight, A-coded</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 5 m, 8-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A18- 050UA5M2A18	2096034
<b>R</b> . <b>R</b> .	<ul> <li>Connection type head A: Female connector, M12, 8-pin, straight, A-coded</li> <li>Connection type head B: Male connector, M12, 8-pin, straight, A-coded</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 10 m, 8-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A18- 100UA5M2A18	2096035
×.	<ul> <li>Connection type head A: Female connector, M12, 8-pin, straight, A-coded</li> <li>Connection type head B: Flying leads</li> <li>Signal type: Sensor/actuator cable</li> <li>Cable: 2 m, 8-wire, PUR, halogen-free</li> <li>Description: Sensor/actuator cable, unshielded</li> <li>Application: Zones with oils and lubricants, Drag chain operation, Robot</li> </ul>	YF2A18- 020UA5XLEAX	2095652
Photoelectric	sensors		
	<ul> <li>Sensing range max.: 0.15 m 12 m0.15 m 10 m</li> <li>Functional principle: Photoelectric retro-reflective sensor</li> <li>Functional principle detail: With minimum distance to reflector (dual lens system)</li> <li>Switching output: PNP</li> <li>Switching mode: Light/dark switching</li> <li>Connection type: Male connector M12, 4-pin</li> <li>Light source: PinPoint LED</li> <li>Adjustment: None</li> </ul>	GL10-P4151	1069860
Ĩ	<ul> <li>Sensing range max.: 0.03 m 6 m</li> <li>Functional principle: Photoelectric retro-reflective sensor</li> <li>Connection type: Cable with M12 male connector, 4-pin</li> <li>Type of light: Visible red light</li> <li>Adjustment: Potentiometer</li> <li>Housing: Rectangular</li> </ul>	GL6-P0211S49	1070568
	<ul> <li>Sensing range max.: 20 mm 950 mm</li> <li>Functional principle: Photoelectric proximity sensor</li> <li>Functional principle detail: Background suppression</li> <li>Switching output: PNP</li> <li>Switching mode: Light switching</li> <li>Connection type: Male connector M12, 4-pin</li> <li>Light source: PinPoint LED</li> <li>Adjustment: Potentiometer</li> </ul>	GTB10-P4411S01	1066852

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	Brief description	Туре	Part no.
P	<ul> <li>Sensing range max.: 5 mm 500 mm</li> <li>Functional principle: Photoelectric proximity sensor</li> <li>Connection type: Cable with M12 male connector, 4-pin, 300 mm</li> <li>Type of light: Infrared light</li> <li>Adjustment: Potentiometer</li> <li>Housing: Rectangular</li> </ul>	GTB6-P7441S56	1077541
Safety switching	ng amplifier		
	<ul> <li>Applications: Output expansion module for OSSDs</li> <li>Compatible sensor types: Safety sensors with OSSDs</li> <li>Connection type: Front connector with spring terminals</li> <li>Restart interlock: no</li> <li>External device monitoring (EDM): Via path</li> <li>Outputs: 2 enabling current paths (safe), 1 feedback current path (for use as external device monitoring, not safe)</li> <li>Housing width: 18 mm</li> </ul>	RLY3-OSSD100	1085343
	<ul> <li>Applications: Output expansion module for OSSDs</li> <li>Compatible sensor types: Safety sensors with OSSDs</li> <li>Connection type: Front connector with spring terminals</li> <li>Restart interlock: no</li> <li>External device monitoring (EDM): Via path</li> <li>Outputs: 4 enabling current paths (safe), 1 feedback current path (for use as external device monitoring, not safe), 1 signaling current path (not safe)</li> <li>Housing width: 28 mm</li> </ul>	RLY3-OSSD400	1099971
SP1 system pl	ug		
No.	<ul> <li>System plug: SP1</li> <li>Connection type: Male connector M12, 5-pin</li> <li>Extension connection: -</li> </ul>	SP1-1000	2076832
	<ul> <li>System plug: SP1</li> <li>Connection type: Male connector M12, 5-pin</li> <li>Extension connection: Female connector M12, 5-pin</li> </ul>	SP1-1100	2076833
	<ul> <li>System plug: SP1</li> <li>Connection type: Male connector M12, 8-pin</li> <li>Extension connection: -</li> </ul>	SP1-1200	2076834
	<ul> <li>System plug: SP1</li> <li>Connection type: Male connector M12, 8-pin</li> <li>Extension connection: Female connector M12, 5-pin</li> </ul>	SP1-1300	2076835
Sensor Integra	ation Gateway		
<b>1</b>	<ul> <li>Further functions: Web server integrated, USB connection for easy configuration of the SIG200 Sensor Integration Gateway with SOPAS ET, the engineering tool from SICK, logic editor is available for easy configuration of logic functions</li> <li>Connection CONFIG: 1 x M8, 4-pin female connector, USB 2.0 (USB-A)</li> <li>Logic editor: yes</li> <li>Communication interface: IO-Link, USB, Ethernet, PROFINET, REST API</li> <li>Product category: IO-Link Master</li> </ul>	SIG200-0A0412200	1089794
A second s	<ul> <li>Description: The SIG200 Sensor Integration Gateway is an IO-Link master with 4 configurable ports through which the IO-Link devices or standard inputs or standard outputs can be connected to a PLC or cloud application using the REST API.</li> <li>Further functions: Web server integrated, USB connection for easy configuration of the SIG200 Sensor Integration Gateway with SOPAS ET, the engineering tool from SICK, logic editor is available for easy configuration of logic functions</li> <li>Connection CONFIG: 1 x M8, 4-pin female connector, USB 2.0 (USB-A)</li> <li>Logic editor: yes</li> <li>Communication interface: IO-Link, USB, Ethernet, EtherNet/IP™, REST API</li> <li>Product category: IO-Link Master</li> </ul>	SIG200-0A0512200	1089796

# C4P-SG04511A00 | deTec SAFETY LIGHT CURTAINS

	Brief description	Туре	Part no.
<b>1</b>	<ul> <li>Further functions: Web server integrated, USB connection for easy configuration of the SIG200 Sensor Integration Gateway with SOPAS ET, the engineering tool from SICK, logic editor is available for easy configuration of logic functions</li> <li>Connection CONFIG: 1 x M8, 4-pin female connector, USB 2.0 (USB-A)</li> <li>Logic editor: yes</li> <li>Communication interface: IO-Link, USB, Ethernet, REST API</li> <li>Product category: IO-Link Master</li> </ul>	SIG200-0A0G12200	1102605

# 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."

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