

C4P-SA07511AOK deTec

SICK Sensor Intelligence.

SAFETY LIGHT CURTAINS



Illustration may differ

Ordering information

Note	Resolution	Scanning range	Protective field height	System part	Туре	Part no.
Device with KCs cer- tificate for South Korea (Republic of Korea)., The system plug has to be ordered separately. For details, see "Acces- sories"., De- vice with KCs certificate for South Korea (Republic of Korea)., The system plug has to be or- dered sepa- rately. For de- tails, see "Ac- cessories".	14 mm	20 m	750 mm	Sender	C4P- SA07511AOK	1131224

Device with KCs certificate for South Korea (Republic of Korea).

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

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



Detailed technical data

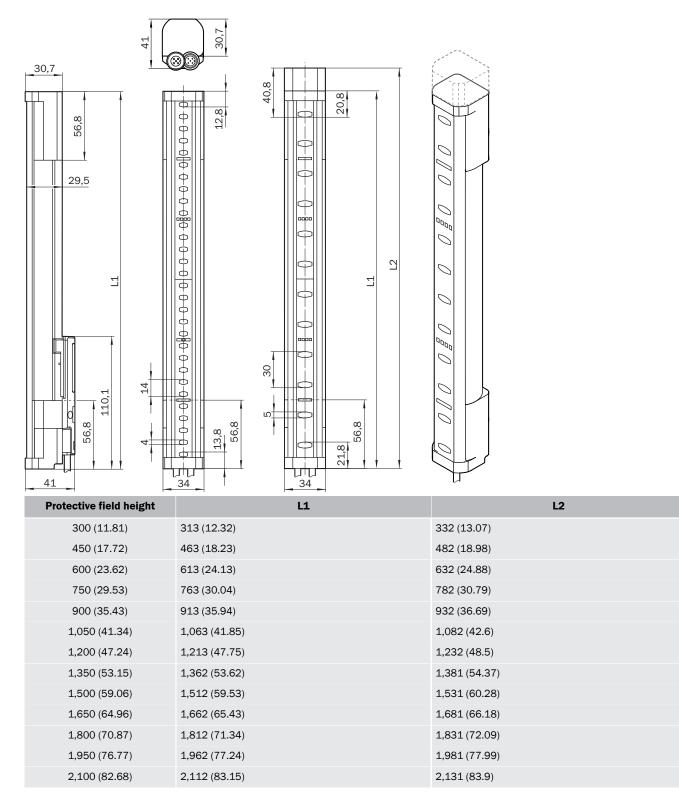
Features

Sub product family	deTec4	
Application	Normal industrial environment	
System part	Sender	
Resolution	14 mm	
Scanning range	20 m	
Protective field height	750 mm	
No blind zones	Yes	
Synchronization	Optical synchronisation	
Integrated laser alignment aid	✓	
Items supplied	Sender	
Safety-related parameters		
Туре	Type 4 (IEC 61496-1)	
Safety integrity level	SIL 3 (IEC 61508)	

Performance lovelPic (sigo 13849 1)Preformance lovel15.3 1.0 °Cancade with one giles30.5 1.0 °Cancade with one giles4.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0		0 + + + 4 (20 40040 4)
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une per houis a state of a sta		PL e (ISO 13849-1)
Cascade with one gasSis x 10 °Cascade with one gasSis x 10 °Try (nission time)Sis x 10 ° Sis x 10	ure per hour)	
Cascade with we guest down4,6,8,10°Tay (mission time)20 years (50 13849-1)Safe state in the over of a faultA least one OSSD is in the OFF state.Functions-Functions-Protective operation4.0Automatic calification of the protective of a fault-Automatic calification of the protective of a fault-Safe and only (12 mail connector, 5-pin or 8-pin)-Poster on connectionDepending on system plug (without extension connection or with M12 female connector, 5-pin or 8-pin)Poster on connectionDepending on system plug (without extension connection or with M12 female connector, 5-pin or 8-pin)Poster on connectionDepending on system plug (without extension connection or with M12 female connector, 5-pin or 8-pin)Poster on calificationDepending on system plug (without extension connection or with M12 female connector, 5-pin or 8-pin)Poster on calificationDepending on system plug (without extension connection or with M12 female connector, 5-pin or 8-pin)Poster on calificationDepending on system plug (without extension connection or with M12 female connector, 5-pin or 8-pin)Poster on calificationEdo ConnectionPoster on calificationEdo ConnectionPoster on calificationSecond calificationPoster on calification </td <td>Single device</td> <td>15.3 x 10⁻⁹</td>	Single device	15.3 x 10 ⁻⁹
Tay (mission time)20 years (ISO 13849-1)Safe state in the event of a faultAt least one OSSD is in the OFF state.Functions-Protective operation-Automatic calibration of the protective fully-Safe and coding-Bam coding-Cascading-Cascading-Depending on system plug (M12 male connector, 5-pin or 8-pin)Extension connectionDepending on system plug (M12 male connector, 5-pin or 8-pin)Extension connectionDepending on system plug (M14 male connector, 5-pin or 8-pin)Configuration methodDP switch on system plug (M14 male connector, 5-pin or 8-pin)Display elements-Extension connectionDP switch on system plug (M14 male connector, 5-pin or 8-pin)Display elements-Extension connection on with M12 female connector, 5-pin or 8-pin)Display elements-Extension connection on with M12 female connector, 5-pin or 8-pin)Display elements-Display elements-Stem consumption topical-Stem consumption topical-Aubient consumption topical-Musing material-Aubient consumption topical-Notice conserve-Stem consumption topical-Aubient constance-Automatic conserve-Automatic conserve-Stem consumption topical-Automatic conserve-Automatic conserve-Automatic conserve<	Cascade with one guest	30.5 x 10 ⁻⁹
Sale state in the event of a fault At least one OSSD is in the OFF state. Functions Image: Comparison of the protective offer all of the protective of the protec	Cascade with two guest devices	45.6 x 10 ⁻⁹
Floctions Protective operation 	T _M (mission time)	20 years (ISO 13849-1)
Protective operation ✓ Automatic calibration of the protective field with with with a structure of the protective field with with a structure of the protective field with a structure of the protective field with a structure of the protective field with a structure of the protection of the protection of the protection of the protective of the protective of the protective of the protection of the protective of the protection of the protective of the protection of the prote	Safe state in the event of a fault	At least one OSSD is in the OFF state.
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System connectionDepending on system plug (M12 male connector, 5-pin or 8-pin)Extension connectionDepending on system plug (without extension connection or with M12 female connector, 5-pin)Configuration methodDIP switch on system plugDisplay elementsLEDsElectrical dataIII (EC 61140)Supply voltage Vs24 V DC (19.2 V 28.8 V)Ripple< 10 %Power consumption typical68 W (DC)Mechanical dataSee dimensional drawingDimensionsSee dimensional drawingAuninum extruded profileAuninum extruded profileAuninum extruded profileAuninum-30 ° C +55 ° CStorage temperature-30 ° C +55 ° CArbient operating temperature5 g.10 H2 55 H2 (IEC 60058-2-6)Storage temperature15 % Non-condensingVibration resistance5 g.10 H2 55 H2 (IEC 60058-2-6)Storage temperature5 g.10 H2 55 H2 (IEC 60058-2-6)Other informationWave length80 nmType of lightNon-condensingYave of lightNon-condensingYave length80 nmYave length80 nmYave length80 nmYave of lightNon-condensingYave length80 nmYave length80 nmYave lengthNon-condensingYave length80 nmYave lengthNon-condensingYave length10 Naminare (NIR), invisibleYave length10 Naminare (NIR), invisible <td>Cascading</td> <td>1</td>	Cascading	1
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 III (IEC 61140) Supply voltage Vs 44 VDC (19,2 V 28.8 V) Ripple 10 % Power consumption typical 68 W (DC) Mechanical data UD Dimensions See dimensional drawing Munium extruded profile Munium extruded profile Ambient data PS7 (IEC 60529) Por (IEC 60529) See dimensional drawing Aubient operating temperature -30 ° C +55 ° C Storage temperature -30 ° C +55 ° C Storage temperature 10 g, 10 Hz 55 Hz (IEC 60068-26) Storage temperature 10 g, 10 Hz 55 Hz (IEC 60068-26) Cher seistance 10 g, 10 Hz 55 Hz (IEC 60068-27) Cher information Storage (INR), invisible Type of light Mae-infrared (NIR), invisible Type of light Near-infrared (NIR), invisible	Interfaces	
Configuration method DIP switch on system plug Display elements LEDs Electrical data III (IEC 61140) Protection class III (IEC 61140) Supply voltage Vs 24 V DC (19.2 V 28.8 V) Ripple ≤ 10 % Power consumption typical 1.68 W (DC) Mechanical data Juminum extruded profile Muninum extruded profile Aluminum extruded profile Ambient data Pose (IEC 60529) IP67 (IEC 60529) Por (IEC 60529) IP67 (IEC 60529) Por (IEC 60529) IP67 (IEC 60529) Por (IEC 60529) IP67 (IEC 60529) IP67 (IEC 60529) IP67 (IEC 60068-2.6) Storage temperature -30 ° C +70 ° C Ar humidity 15 % 95 %, Non-condensing Vibration resistance 10 g 16 ms (IEC 60068-2.6) Storage temperature 10 g 16 ms (IEC 60068-2.6) Storage temperature 10 g 16 ms (IEC 60068-2.6)	System connection	Depending on system plug (M12 male connector, 5-pin or 8-pin)
Display elements LEDs Electrical data III (IEC 61140) Supply voitage Vs 44 V DC (19.2 V 28.8 V) Supply voitage Vs 610 % Power consumption typical 1.68 W (DC) Mechanical data III (IEC 61140) Mechanical data See dimensional drawing Musinum extruded profile Iuminum extruded profile Ambient data PoS (IEC 60529) Andriet operating temperature -30 ° C + 55 ° C Storage temperature -30 ° C + 70 ° C Ar hundity 15 % 95 %, Non-condensing Vibration resistance 10 g.1 f ms (IEC 600682-26) Other information Storage temperature Other sistance 10 g.1 f ms (IEC 600682-26) Other sistance 10 g.1 f ms (IEC 600682-26) Other sistance Storage temperature Other information Storage temperature	Extension connection	Depending on system plug (without extension connection or with M12 female connector, 5-pin)
Electrical data Protection class III (IEC 61140) Supply voltage Vs 24 V DC (19.2 V 28.8 V) Alpple 24 V DC (19.2 V 28.8 V) Alpple 310 % Power consumption typical 310 % Power consumption typical 16.8 W (DC) Mechanical data Dimensions See dimensional drawing Auminum extruded profile Auminum extruded profile Auminum extruded profile Ambient data Enclosure rating IP66 (IEC 60529) IP67 (IEC 60068-2-6) Storage temperature -30 °C +55 °C Anbient operating temperature -30 °C +70 °C Air humidity 15 % 95 %, Non-condensing Vibration resistance 5g, 10 Hz 55 Hz (IEC 60068-2-6) Stock resistance 10 g, 16 ms (IEC 60068-2-6) Chter information Wave length 850 nm Type of light Near-infrared (NIR), invisible Integrated laser alignment aid	Configuration method	DIP switch on system plug
Protection classII (IEC 61140)Supply voltage Vs24 V DC (19.2 V 28.8 V)Ripple≤ 10 %Power consumption typical≤ 10 %Power consumption typical1.68 W (DC)Mechanical dataUiminum extruded profileDimensionsSee dimensional drawingHousing materialAluminum extruded profileAmbient dataP95 (IEC 60529) IP67 (IEC 60529) IP67 (IEC 60529)Ambient operating temperature-30 °C +55 °CStorage temperature-30 °C +55 °CAir humidity15 % 95 %, Non-condensingVibration resistance5g, 10 Hz 55 Hz (IEC 60068-2-6)Stock resistance10g 16 ms (IEC 60068-2-27)Wave length850 nmType of lightSton mainType of lightKear-infrared (NIR), invisibleItegrated laser alignment aid	Display elements	LEDs
Supply voltage Vs24 V DC (19.2 V 28.8 V)Ripple< 10 %	Electrical data	
Ripple ≤ 10 % Power consumption typical 1.68 W (DC) Mechanical data Dimensions See dimensional drawing Housing material Aluminum extruded profile Ambient data Enclosure rating PP65 (IEC 60529) IP67 (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 5g, 10 Hz 55 Hz (IEC 60068-2-6) Shock resistance 10 g, 16 ms (IEC 60068-2-27) Other information S50 nm Type of light Near-infrared (NIR), invisible Itegrated laser alignment alid ✓	Protection class	III (IEC 61140)
Power consumption typical 1.68 W (DC) Mechanical data See dimensional drawing Dimensions See dimensional drawing Housing material Aluminum extruded profile Ambient data 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) Stock resistance 10 g, 16 ms (IEC 60068-2-7) Other information Seo nm Wave length Seo nm Type of light Near-infrared (NIR), invisible Itegrated laser alignment aid I	Supply voltage V _s	24 V DC (19.2 V 28.8 V)
Mechanical data See dimensional drawing Pinensions See dimensional drawing Housing material Aluminum extruded profile Ambient data FefS (IEC 60529) Enclosure rating IP65 (IEC 60529) IP67 (IEC 60529) IP67 (IEC 60529) Storage 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 60068-2-6) Other information Storage temperature Vibration resistance S50 nm Type of light Near-infrared (NIR), invisible Integrated laser alignment aid I et content of the storage of the stora	Ripple	≤ 10 %
DimensionsSee dimensional drawingHousing materialAluminum extruded profileAmbient dataEnclosure ratingIP65 (IEC 60529) IP67 (IEC 60529) IP67 (IEC 60529)Ambient operating temperature-30 °C +55 °CStorage temperature-30 °C +70 °CAir humidity15 % 95 %, Non-condensingVibration resistance5g 10 Hz 55 Hz (IEC 60068-2-6)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other informationStonmYave length850 nmType of lightNear-infrared (NIR), invisibleIntegrated laser alignment aid	Power consumption typical	1.68 W (DC)
Housing materialAluminum extruded profileAmbient dataEnclosure ratingIP65 (IEC 60529) IP67 (IEC 60529)Ambient operating temperature-30 ° C +55 ° CStorage temperature-30 ° C +70 ° CAir humidity15 % 95 %, Non-condensingVibration resistance5 g, 10 Hz 55 Hz (IEC 60068-2-6)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other information850 nmYave length850 nmType of lightNear-infrared (NIR), invisibleIntegrated laser alignment aidI	Mechanical data	
Ambient dataEnclosure ratingIP65 (IEC 60529) IP67 (IEC 60529)Ambient operating temperature-30 °C +55 °CStorage temperature-30 °C +70 °CAir humidity15 % 95 %, Non-condensingVibration resistance5 g, 10 Hz 55 Hz (IEC 60068-2-6)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other information850 nmYave length850 nmType of lightNear-infrared (NIR), invisibleIntegrated laser alignment aid	Dimensions	See dimensional drawing
Enclosure ratingIP65 (IEC 60529) IP67 (IEC 60529)Ambient operating temperature-30 °C +55 °CStorage temperature-30 °C +70 °CAir humidity15 % 95 %, Non-condensingVibration resistance5 g, 10 Hz 55 Hz (IEC 60068-2-6)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other information850 nmType of lightNear-infrared (NIR), invisibleIntegrated laser alignment aidI	Housing material	Aluminum extruded profile
IP67 (IEC 60529)Ambient operating temperature-30 °C +55 °CStorage temperature-30 °C +70 °CAir humidity15 % 95 %, Non-condensingVibration resistance5 g, 10 Hz 55 Hz (IEC 60068-2-6)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other informationS50 nmType of light850 nmIntegrated laser alignment aid	Ambient data	
Storage temperature-30 °C +70 °CAir humidity15 % 95 %, Non-condensingVibration resistance5 g, 10 Hz 55 Hz (IEC 60068-2-6)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other information850 nmType of light850 nmIntegrated laser alignment aid·/	Enclosure rating	
Air humidity15 % 95 %, Non-condensingVibration resistance5 g, 10 Hz 55 Hz (IEC 60068-2-6)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other information850 nmType of light850 nmIntegrated laser alignment aid✓	Ambient operating temperature	-30 °C +55 °C
Vibration resistance5 g, 10 Hz 55 Hz (IEC 60068-2-6) 10 g, 16 ms (IEC 60068-2-7)Shock resistance10 g, 16 ms (IEC 60068-2-27)Other information850 nmType of light850 nmIntegrated laser alignment aidVer-infrared (NIR), invisible	Storage temperature	-30 °C +70 °C
Shock resistance 10 g, 16 ms (IEC 60068-2-27) Other information 850 nm Type of light Near-infrared (NIR), invisible Integrated laser alignment aid ✓	Air humidity	15 % 95 %, Non-condensing
Other information Wave length 850 nm Type of light Near-infrared (NIR), invisible Integrated laser alignment aid ✓	Vibration resistance	5 g, 10 Hz 55 Hz (IEC 60068-2-6)
Wave length850 nmType of lightNear-infrared (NIR), invisibleIntegrated laser alignment aid✓	Shock resistance	10 g, 16 ms (IEC 60068-2-27)
Type of light Near-infrared (NIR), invisible Integrated laser alignment aid ✓	Other information	
Integrated laser alignment aid	Wave length	850 nm
	Type of light	Near-infrared (NIR), invisible
laser class 1	Integrated laser alignment aid	1
	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
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))



SAFETY LIGHT CURTAINS

Recommended accessories

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

	Brief description	Туре	Part no.
Connection n	nodules		
	IO-Link V1.1 Class A port, USB2.0 port, optional external power supply 24V / 1A $$	IOLA2US-01101 (SiLink2 Master)	1061790
at sick as	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	209275
	Connector for connecting 2 muting sensors and a muting lamp to a safety light curtain or a multiple light beam safety device	Muting connector	209275
luting acces	sories		
0	Sensor bracket G6 and P250	BEF-2KHAAAKU1	211314
	Universal holder for round steel arms and muting arms, for mounting sensors or reflec- tors	BEF-KHS-N01	204495
	Muting arm bracket for deTec safety light curtain or deTem safety multibeam sensor	Muting arm bracket	210645
_	Muting arm, long	Muting arm, long	211192
	Muting arm, short	Muting arm, short	211192
eflectors			
	Rectangular, screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 hole mount- ing	P250	530481
erminal and	alignment brackets		
	4 pieces, FlexFix bracket for 2 devices (e.g. sender and receiver), can be aligned \pm 15 °, including M5 screw, plastic	BEF-1SHABPKU4	206661
1	4 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plastic	BEF-3SHABPKU4	209871
ð.	 Connection type head A: Female connector, M12, 5-pin, A-coded Connection type head B: Male connector, M12, 5-pin, A-coded Connection type head C: Female connector, M12, 5-pin, A-coded Description: T-piece for simultaneous connection to sender and receiver, splits the cable from the control cabinet to the sender and receiver Note: 5-pin 	DSC- 1205T000025KM0	603066
ŝ.	 Connection type head A: Female connector, M12, 8-pin, A-coded Connection type head B: Female connector, M12, 8-pin, A-coded Connection type head C: Male connector, M12, 8-pin, A-coded Description: T-distributor for simultaneous connection to sender and receiver, splits the cable from the control cabinet between the sender and receiver Note: 8-pin 	DSC- 1208T000025KM0	605864

C4P-SA07511A0K | deTec SAFETY LIGHT CURTAINS

	Brief description	Туре	Part no.
No.	 Connection type head A: Female connector, M12, 5-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2 m, 5-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A15- 020UB5XLEAX	2095617
1	 Connection type head A: Female connector, M12, 5-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 5-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A15- 050UB5XLEAX	2095618
No.	 Connection type head A: Female connector, M12, 5-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 10 m, 5-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A15- 100UB5XLEAX	2095619
N.	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18- 050UA5XLEAX	2095653
N.	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 10 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18- 100UA5XLEAX	2095654
10 × 0	 Connection type head A: Female connector, M12, 5-pin, straight, A-coded Connection type head B: Male connector, M12, 5-pin, straight, A-coded Signal type: Sensor/actuator cable Cable: 2 m, 5-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A15- 020UB5M2A15	2096009
10 × 0	 Connection type head A: Female connector, M12, 5-pin, straight, A-coded Connection type head B: Male connector, M12, 5-pin, straight, A-coded Signal type: Sensor/actuator cable Cable: 5 m, 5-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A15- 050UB5M2A15	2096010
10 10	 Connection type head A: Female connector, M12, 5-pin, straight, A-coded Connection type head B: Male connector, M12, 5-pin, straight, A-coded Signal type: Sensor/actuator cable Cable: 10 m, 5-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A15- 100UB5M2A15	2096011
1 . A . A	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Male connector, M12, 8-pin, straight, A-coded Signal type: Sensor/actuator cable Cable: 2 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18- 020UA5M2A18	2096033
6.6	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Male connector, M12, 8-pin, straight, A-coded Signal type: Sensor/actuator cable Cable: 5 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18- 050UA5M2A18	2096034

	Brief description	Туре	Part no.		
8.8	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Male connector, M12, 8-pin, straight, A-coded Signal type: Sensor/actuator cable Cable: 10 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18- 100UA5M2A18	2096035		
No.	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18- 020UA5XLEAX	2095652		
Photoelectric	sensors				
	 Sensing range max.: 0.15 m 12 m0.15 m 10 m Functional principle: Photoelectric retro-reflective sensor Functional principle detail: With minimum distance to reflector (dual lens system) Switching output: PNP Switching mode: Light/dark switching Connection type: Male connector M12, 4-pin Light source: PinPoint LED Adjustment: None 	GL10-P4151	1069860		
Ĩ	 Sensing range max.: 0.03 m 6 m Functional principle: Photoelectric retro-reflective sensor Connection type: Cable with M12 male connector, 4-pin Type of light: Visible red light Adjustment: Potentiometer Housing: Rectangular 	GL6-P0211S49	1070568		
	 Sensing range max.: 20 mm 950 mm Functional principle: Photoelectric proximity sensor Functional principle detail: Background suppression Switching output: PNP Switching mode: Light switching Connection type: Male connector M12, 4-pin Light source: PinPoint LED Adjustment: Potentiometer 	GTB10-P4411S01	1066852		
P	 Sensing range max.: 5 mm 500 mm Functional principle: Photoelectric proximity sensor Connection type: Cable with M12 male connector, 4-pin, 300 mm Type of light: Infrared light Adjustment: Potentiometer Housing: Rectangular 	GTB6-P7441S56	1077541		
Safety switchi	Safety switching amplifier				
	 Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals Restart interlock: no External device monitoring (EDM): Via path Outputs: 2 enabling current paths (safe), 1 feedback current path (for use as external device monitoring, not safe) Housing width: 18 mm 	RLY3-OSSD100	1085343		
	 Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals Restart interlock: no External device monitoring (EDM): Via path Outputs: 4 enabling current paths (safe), 1 feedback current path (for use as external device monitoring, not safe), 1 signaling current path (not safe) Housing width: 28 mm 	RLY3-OSSD400	1099971		

	Brief description	Туре	Part no.		
SP1 system	SP1 system plug				
	 System plug: SP1 Connection type: Male connector M12, 5-pin Extension connection: - 	SP1-1000	2076832		
	 System plug: SP1 Connection type: Male connector M12, 5-pin Extension connection: Female connector M12, 5-pin 	SP1-1100	2076833		
	 System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: - 	SP1-1200	2076834		
	 System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: Female connector M12, 5-pin 	SP1-1300	2076835		
Sensor Integ	gration Gateway				
A	 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 Connection CONFIG: 1 x M8, 4-pin female connector, USB 2.0 (USB-A) Logic editor: yes Communication interface: IO-Link, USB, Ethernet, PROFINET, REST API Product category: IO-Link Master 	SIG200-0A0412200	1089794		
A	 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. 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 Connection CONFIG: 1 x M8, 4-pin female connector, USB 2.0 (USB-A) Logic editor: yes Communication interface: IO-Link, USB, Ethernet, EtherNet/IP™, REST API Product category: IO-Link Master 	SIG200-0A0512200	1089796		
	 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 Connection CONFIG: 1 x M8, 4-pin female connector, USB 2.0 (USB-A) Logic editor: yes Communication interface: IO-Link, USB, Ethernet, REST API Product category: IO-Link Master 	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.

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