

C4P-EA04511C00 deTec

SICK Sensor Intelligence.

SAFETY LIGHT CURTAINS

C4P-EA04511C00 | deTec

SAFETY LIGHT CURTAINS



Ordering information

Note	Resolution	Scanning range	Protective field height	System part	Туре	Part no.
The system plug has to be ordered separate- ly. For de- tails, see "Ac- cessories".	14 mm	20 m	450 mm	Receiver	C4P- EA04511C00	1220098

Illustration may differ

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	Receiver
Resolution	14 mm
Scanning range	20 m
Protective field height	450 mm
Response time	12 ms (Uncoded) 19 ms (code 1 or code 2)
No blind zones	Yes
Synchronization	Optical synchronisation
Items supplied	Receiver Test rod with diameter corresponding to the resolution of the safety light curtain Safety instruction Mounting instructions Operating instructions for download

Safety-related parameters

Туре	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)
$\ensuremath{PFH}_{\ensuremath{D}}$ (mean probability of a dangerous failure per hour)	
Single device	15.3 x 10 ⁻⁹
Cascade with one guest	30.5 x 10 ⁻⁹
Cascade with two guest devices	45.6 x 10 ⁻⁹

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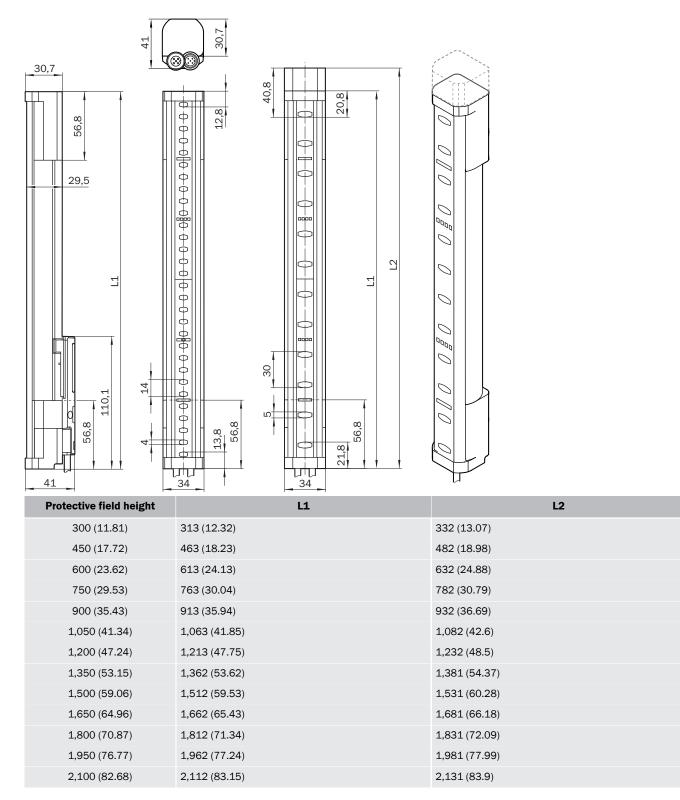
SAFETY LIGHT CURTAINS

T _M (mission time)	20 years (ISO 13849-1)
Safe state in the event of a fault	At least one OSSD is in the OFF state.
Functions	
Protective operation	1
Automatic calibration of the protective field width	1
Beam coding	1
Restart interlock	1
External device monitoring (EDM)	1
Cascading	1
Smart presence detection	1
Reduced resolution	1
Dynamic protective field width during oper- ation	1
Differentiation between person and materi- al	
2-signal muting	1
Smart Box Detection	1
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
Display of the synchronization status of the upper and lower beams	1
Application diagnostic output (ADO)	1
IO-Link	1
Near Field Communication (NFC)	1
Electrical data	
Protection class	III (IEC 61140)
Supply voltage V _S	24 V DC (19.2 V 28.8 V)
Ripple	≤ 10 %
Power consumption typical	3.6 W (DC)
Output signal switching devices (OSSDs)	
Type of output	2 PNP semiconductors, short-circuit protected, cross-circuit monitored $^{1)} $
ON state, switching voltage HIGH	24 V DC (V _S – 2.25 V DC V _S)
OFF state, switching voltage LOW	≤ 2 V DC
Current-carrying capacity per OSSD	≤ 500 mA
Application diagnostic output (ADO)	
Type of output	PNP semiconductor, short-circuit protected ¹⁾
Output voltage HIGH (active)	\geq V _s - 3 V

 $^{1)}$ Applies to the voltage range between –30 V and +30 V.

Output voltage LOW (deactivated)				
Output current HIGH (active)	≤ 100 mA			
¹⁾ Applies to the voltage range between -30 V and $+30$ V.				
Mechanical data				
Dimensions	See dimensional drawing			
Housing material	Aluminum extruded profile			
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)			
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))



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SAFETY LIGHT CURTAINS

Recommended accessories

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

	Brief description	Туре	Part no.		
Connection m	nodules				
THE CONTRACT OF	IO-Link V1.1 Class A port, USB2.0 port, optional external power supply 24V / 1A $$	IOLA2US-01101 (SiLink2 Master)	1061790		
a sick a	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				
0	Sensor bracket G6 and P250	BEF-2KHAAAKU1	2113145		
	Universal holder for round steel arms and muting arms, for mounting sensors or reflec- tors	BEF-KHS-N01	2044953		
	Muting arm bracket	Muting arm bracket	2106455		
-	Muting arm, long	Muting arm, long	2111923		
-	Muting arm, short	Muting arm, short	2111924		
Distributors					
A	 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	6030664		
Se.	 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	6058647		
Plug connectors and cables					
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: 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		
	 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		

	Brief description	Туре	Part 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
Co	 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
	 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
	 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
	 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
	 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
	 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
	 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
	 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
	 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

Nr.

Reflectors P250 \$304312 Terminal and Jigmment brackets 5 Terminal genes, Ruding thrackets 8EF-15HABPKU4 2096710 Status 15*, including M5 screw, plastic 8EF-15HABPKU4 2096710 Status 4 pieces, RudicFik bracket for 2 devices (e.g. sender and receiver), can be aligned 8EF-15HABPKU4 2098710 Photoelectric sensors 6L10 P4151 0L10 P4151 1069860 GIS P0211549 GIS P0211549 GIS P0211549 1077658 Safety switching amplifier GIS P0211549 GIS P0211549 1077658 Safety switching amplifier GIS P0211549 GIS P0211549 1078516 Safety switching amplifier Safety switching amplifier 8874741556 1078516 Safety switching amplifier Safety switching current philes (BME) Via path 1085363 RU3 OSSD100 1085343 P1 setual infactor, no Safety switching current philes (BME) Via path Patient Infactor, no 1099971 P1 setual via for philes Safety sensore with GSSDs Connection vite spension module for OSSDs RU3 OSSD4000 1099971 P2 system plug: SP1 Safety sensore with sping terminals Ru3 OSSD400 1099971 P3 system plug: SP1 Safety sensore with sping terminals Ru3 OSSD400 2076832 P3 system plug:		Brief description	Туре	Part no.	
mountingmountingmountingmountingTerminal and Highmann Market STerminal and Highmann Market SSelects: FlagFik bracket for 2 devices (e.g. sender and receiver), can be aligned a 1s*, including MS screw, plasticBEF-1SHABFKU4 20666142066614A pieces, QuickFik bracket for 2 devices (e.g. sender and receiver), plasticBEF-3SHABFKU4 20967102096710Photoelectric ScreenCl.10-P4151 GL10-P41510Cl.10-P4151 1006882 GTB10-P44115011066892 10705683 GTB10-P441156610705683 GTB10-P441156610705683 10705683Safety sender yoes: Safety sender with SSDs Compatible sender types: Safety senders with OSDs Compatible sender type: Safety sender with Sofety Safety sender Compatible sender type: Safety sender with Sofety Safety sender Compatible sender type: Safety sender with Sofety Safety S	Reflectors				
4 pieces, FlexFix bracket for 2 devices (e.g. sender and receiver), can be aligned 1 5', including MS sorew, piesteBEF-1SHABPKU42066614Image: Sender and receiver), plastic4 pieces, QuidkFix bracket for 2 devices (e.g. sender and receiver), plasticBEF-3SHABPKU42098710Photoelectric sensorsColspan="2">Colspan="2"Colspan="2">Colspan="2">Colspan="2" <colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2">Colspan="2"<colspan="2"<colspan="2">Colspan="2"<colspan="2"<colspan="2"<colspan="2"<colspan="2"<colspan="2"<colspan="2"<co< td=""><td></td><td>-</td><td>P250</td><td>5304812</td></colspan="2"<colspan="2"<colspan="2"<colspan="2"<colspan="2"<colspan="2"<co<></colspan="2"<colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2"></colspan="2">		-	P250	5304812	
* 15*, Including MB sorew, plastic 4 * 15*, Including MB sorew, plastic BEF-3SHABPKU4 2098710 * 4 pleces, QuickFik bracket for 2 devices (e.g. sender and receiver), plastic BEF-3SHABPKU4 2098710 * Photoellectric sensors GL10-44151 GL10-44151 1069860 G10 G18-P0211549 GL6-P0211549 1070568 G10 GTB6-P7441556 077541 5066852 Safety switching amplifier • Applications: Output expansion module for OSSDs RLY3-OSSD100 1085343 • Compatible sensor types: Safety sensors with OSSDs Connection type: Fond connector with spring terminals RLY3-OSSD100 1085343 • Sternal device monitoring, not safety • Applications: Output expansion module for OSSDs RLY3-OSSD400 1099971 • Outputs: 2 enabling current paths (safe), 1 feedback current path (for use as exter- in a device monitoring, not safety RLY3-OSSD400 1099971 • Distantial device monitoring, not safety • System plug: SP1 1000 2076832 • System plug: SP1 • Connection type: Male connector M12, 5 pin 1100 2076833 • System plug: SP1 • Connector M12, 5 pin 1200 2076834 • System plug: SP1 • Conn	Terminal and	l alignment brackets			
Photoelectric sensors GL10P4151 GL10P4151 GL10P4151 GL6P0211549 GL6P0211549 GL6P0211549 GL6P0211549 1070568 GTB10P4411501 GTB10P4411501 1066852 GTB20P4411556 GTB20P4411556 1077541 Safety switchild Applications: Output expansion module for OSSDs RLY3-OSSD100 1085343 Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs RLY3-OSSD100 1085343 Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs RLY3-OSSD100 109971 Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs RLY3-OSSD400 109971 Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs RLY3-OSSD400 109971 Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs RLY3-OSSD400 109971 Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs RLY3-OSSD400 109971 System plug: SP1 Commatib type: Male connector M12, 5-pin 1000	R.S.		BEF-1SHABPKU4	2066614	
GL10-P4151 GL10-P4151 1069880 GL6-P0211549 GL6-P0211549 1070568 GTB10-P4411S01 GG60211549 1070568 GTB10-P4411S01 GG60252 GG60-P7441556 1077541 Safety switching amplifier - Applications: Output expansion module for OSSDs RLY3-OSSD100 1085343 Compatible sensor types: Safety sensors with OSSDs Connection type: Font connector with spring terminals RLY3-OSSD100 1085343 Voluputs: 2 neabling current paths (safe), 1 feedback current path (for use as external device monitoring (EDM): Via path RLY3-OSSD400 1099971 • Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs RLY3-OSSD400 1099971 • Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs RLY3-OSSD400 1099971 • Compatible sensor types: Safety sensors with OSSDs Compatible sensor types: Safety sensors with OSSDs RLY3-OSSD400 1099971 • Applications: Output expansion module for OSSDs Compatible sensor type: Safety sensors with OSSDs RLY3-OSSD400 1099971 • Connection type: Fort connector with spring terminals RLY3-OSSD400 109971 2076832 • System putg: SP1 Sotematin		4 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plastic	BEF-3SHABPKU4	2098710	
GL6-P0211S49GL6-P0211S49GL6-P0211S491070588GTB10-P4411S01GTB10-P4411S011066852Safety switchGTB6-P7441S56GTB6-P7441S561077541Safety switch• Compatible sensor types: Safety sensors with OSSDs • Commettion type: Front connector with spring terminals • Restart interlock: no • External device monitoring (EDM): Via path 	Photoelectric	sensors			
GTB10-P4411S01GTB10-P4411S011066852GTB6-P7411S56GTB6-P7441S561077541Safety switch: Compatible sensor types: Safety sensors with 0SSDs Compatible sensor type: Safety sensors with 0SSDs Compatible sensor type: Safety sensors with 0SSDs Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors Setternal device monitoring (EDM): Via path Compatible sensor type: Safety sensors <b< td=""><td></td><td>GL10-P4151</td><td>GL10-P4151</td><td>1069860</td></b<>		GL10-P4151	GL10-P4151	1069860	
GTB6-P7441556GTB6-P74415561077541Safety switch: compatible sensor types: Safety sensors with 0SSDs compatible sensor types: Safety sensors with 0SSDs connection type: Fond connector with spring terminals Restart interlock: no External device monitoring (EDM): Via path outputs: 2 enabling current path (safe), 1 feedback current path (for use as exter- nal device monitoring, not safe)RLY3-0SSD4001085343Image: Spring terminals Restart interlock: no External device monitoring (EDM): Via path outputs: 2 enabling current paths (safe), 1 feedback current path (for use as exter- nal device monitoring, not safe)RLY3-0SSD400109971Image: Spring terminals Restart interlock: no Compatible sensor type: Safety sensors with 0SSDs Compatible sensor type: Safety sensors with 0SSDs Compatible sensor type: Safety sensors with 0SSD Connection type: Fond 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 exter- nal device monitoring, not safe)109971System plug: SP1 Connection type: Male connector M12, 5-pin10002076832Image: Spit System plug: SP1 Connection type: Male connector M12, 5-pin11002076833Image: Spit System plug: SP1 Connection type: Male connector M12, 8-pin13002076833Image: Spit System plug: SP1 Connection type: Male connector M12, 8-pin13002076833Image: Spit System plug: SP1 Connection type: Male connector M12, 8-pin13002076833Image: Spit System plug: SP1 Connection type: Male connector M12, 8-pin20002076833 <td></td> <td>GL6-P0211S49</td> <td>GL6-P0211S49</td> <td>1070568</td>		GL6-P0211S49	GL6-P0211S49	1070568	
Safety switching amplifierSafety switching amplifierImage: Safety switching amplifierSafety switching amplifierImage: Safety switching amplifierImage: Safe		GTB10-P4411S01	GTB10-P4411S01	1066852	
Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals Restart Interfock: no External device monitoring (EDM): Via path Outputs: 2 enabling current paths (scie), 1 feedback current path (for use as exter- nal device monitoring, not safe)RLY3-OSSD1001085343Image: Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs Commetion type: front connector with spring terminals Restart Interlock: no External device monitoring (EDM): Via path Outputs: 28 mmRLY3-OSSD4001099971SP1 system plug:SP1 Connection type: Male connector M12, 5-pin10002076832System plug: SP1 Connection type: Male connector M12, 5-pin11002076833System plug: SP1 Connection type: Male connector M12, 8-pin13002076834System plug: SP1 Connection type: Male connector M12, 8-pin13002076835System plug: SP1 Connection type: Male connector M12, 8-pin13002076835System plug: SP2 Connection type: Male connector M12, 5-pin13002076835SP2 system plug:SP2 System plug: SP2 Connection type: Male connector M12, 5-pin2000209307		GTB6-P7441S56	GTB6-P7441S56	1077541	
Compatible sensor types: Safety sensors with OSSDsConnection type: Front connector with spring terminals Restart interiock: no External device monitoring (EDM): Via path Outputs: 2 enabling current paths (safe), 1 feedback current path (for use as exter- nal device monitoring, not safe) Housing with: 18 mmRLY3-OSSD4001099971Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals Restart interiock: no External device monitoring (EDM): Via path Outputs: 2 enabling current paths (safe), 1 feedback current path (for use as exter- nal device monitoring (EDM): Via path Outputs: 4 enabling current paths (safe), 1 feedback current path (for use as exter- nal device monitoring (EDM): Via path Outputs: 4 enabling current paths (safe), 1 feedback current path (for use as exter- nal device monitoring (EDM): Via path Outputs: 3 enabling current paths (safe), 1 feedback current path (for use as exter- nal device monitoring (EDM): Via path Outputs: 3 enabling current paths (safe), 1 feedback current path (not safe) Housing width: 28 mm10002076832System plug: SP1 Connection type: Male connector M12, 5-pin10002076833System plug: SP1 Connection type: Male connector M12, 5-pin12002076834System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: Female connector M12, 8-pin13002076835System plug: SP1 Connection type: Male connector M12, 8-pin Extension connectior: Female connector M12, 5-pin2000209307	Safety switch	ing amplifier			
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 exter- nal device monitoring, not safe), 1 signaling current path (not safe) Housing width: 28 mm10002076832SP1 system plug: SP1 Connection type: Male connector M12, 5-pin Extension connection: - System plug: SP1 Connection type: Male connector M12, 5-pin Extension connection: Female connector M12, 5-pin Extension connection: Female connector M12, 5-pin System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -12002076833SP2 system plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -13002076835System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -13002076836System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -20002076836System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -20002076836		 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) 	RLY3-OSSD100	1085343	
System plug: SP1 Connection type: Male connector M12, 5-pin10002076832System plug: SP1 Connection type: Male connector M12, 5-pin11002076833System plug: SP1 Connection type: Male connector M12, 5-pin11002076834System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -12002076834System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -13002076835System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -13002076835System plug: SP1 Connection type: Male connector M12, 5-pin20002093097		 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) 	RLY3-OSSD400	1099971	
Connection type: Male connector M12, 5-pinImage: Section type: Male connection: -System plug: SP1 Connection type: Male connector M12, 5-pin Extension connection: Female connector M12, 5-pin11002076833System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -12002076834System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -13002076835System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: -13002076835System plug: SP1 Connection type: Male connector M12, 8-pin Extension connection: Female connector M12, 5-pin20062093097	SP1 system	plug			
Connection type: Male connector M12, 5-pinIncome type: Male connector M12, 5-pinSystem plug: SP1 · Connection type: Male connector M12, 8-pin · Extension connection: -12002076834System plug: SP1 · Connection type: Male connector M12, 8-pin · Extension connection: -13002076835System plug: SP1 · Connection type: Male connector M12, 8-pin · Extension connection: Female connector M12, 5-pin13002076835SP2 system plug: SP1 · Extension connector: Female connector M12, 5-pin20002093097		Connection type: Male connector M12, 5-pin	1000	2076832	
• Connection type: Male connector M12, 8-pin Image: SP1 • System plug: SP1 1300 • Connection type: Male connector M12, 8-pin Image: SP1 • Connection type: Male connector M12, 8-pin Image: SP2 • System plug: SP1 Extension connection: Female connector M12, 5-pin SP2 system plug: SP2 Image: SP2 • System plug: SP2 2000 • Connection type: Male connector M12, 5-pin		Connection type: Male connector M12, 5-pin	1100	2076833	
Connection type: Male connector M12, 8-pin Extension connection: Female connector M12, 5-pin SP2 system plug: SP2 System plug: SP2 Connection type: Male connector M12, 5-pin 2000 2093097		Connection type: Male connector M12, 8-pin	1200	2076834	
System plug: SP2 Connection type: Male connector M12, 5-pin		Connection type: Male connector M12, 8-pin	1300	2076835	
Connection type: Male connector M12, 5-pin	SP2 system plug				
		Connection type: Male connector M12, 5-pin	2000	2093097	

	Brief description	Туре	Part no.
	 System plug: SP2 Connection type: Male connector M12, 5-pin Extension connection: Female connector M12, 5-pin 	2100	2093098
	 System plug: SP2 Connection type: Male connector M12, 8-pin Extension connection: - 	2200	2093099
	 System plug: SP2 Connection type: Male connector M12, 8-pin Extension connection: Female connector M12, 5-pin 	2300	2093100
Sensor Integra	ation Gateway		
Office and 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
	 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 stan- dard 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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