

## C4P-SA09011C00 deTec

SICK Sensor Intelligence.

**SAFETY LIGHT CURTAINS** 

## C4P-SA09011C00 | 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	2.5 m	900 mm	Sender	C4P- SA09011C00	1220643

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	Sender
Resolution	14 mm
Scanning range	2.5 m
Protective field height	900 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)
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 <sup>-9</sup>
Cascade with one guest	30.5 x 10 <sup>-9</sup>
Cascade with two guest devices	45.6 x 10 <sup>-9</sup>
T <sub>M</sub> (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	

1

#### Functions

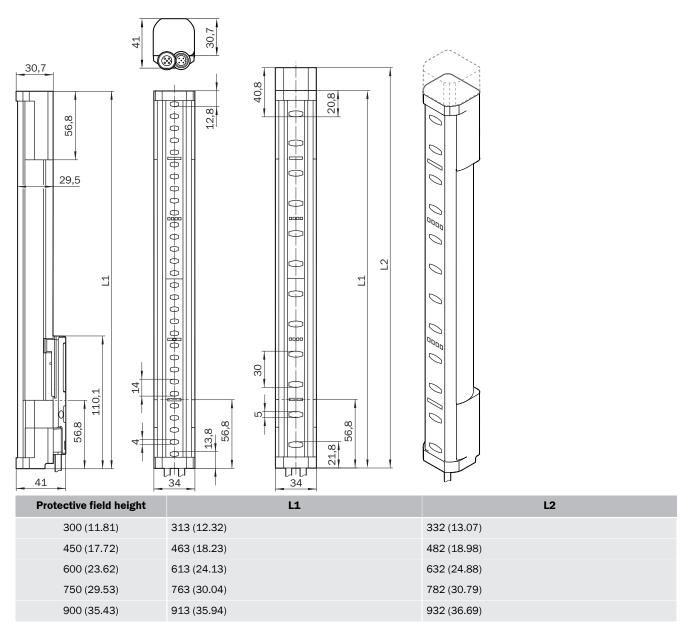
A	
Automatic calibration of the protective field width	4
Beam coding	1
Cascading	1
Sender with reduced scanning range	1
Interfaces	
System connection	Depending on system plug (M12 male connector, 5-pin or 8-pin)
Extension connection	Depending on system plug (without extension connection or with M12 female connector, 5-pin)
Configuration method	DIP switch on system plug
Display elements	LEDs
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	1.77 W (DC)
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)
Other information	
Wave length	850 nm
Type of light	Near-infrared (NIR), invisible
Integrated laser alignment aid	1
Laser clas	
Wave lengt	t Visible red light
Classifications ECLASS 5.0	27272704
ECLASS 5.0 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

## C4P-SA09011C00 | deTec

SAFETY LIGHT CURTAINS

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))



Protective field height	Ľ	L2
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 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 access	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	Muting arm bracket	2106455		
_	Muting arm, long	Muting arm, long	2111923		
	Muting arm, short	Muting arm, short	2111924		
Distributors					
ð.,	<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		

	Brief description	Туре	Part no.
8	<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
Plug connecto	rs and cables		
<b>N</b> O	<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
N.	<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
	<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
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: 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
	<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
	<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

<ul> <li>             connection type hard A. Financia connector, M12, 2 spin, straight, A. codid         </li> <li>             connection type MB, Bielder connector, M12, 2 spin, straight, A. codid         </li> <li>             connection type MB, Bielder connector, M12, 2 spin, straight, A. codid         </li> <li>             connection type mad A. Financia connector, M12, 2 spin, straight, A. codid         </li> <li>             connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             connection type mad A. Financia connector, M12, 8 pin, straight, A. codid         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Root         </li> <li>             Connection type MB, Bielder S. Drog dino operation, Robot         </li> <li>             Paleose, RuiokFix brack for 2 dioleses is, gis ender and receiver), can be aligne         </li> <li>             pices, RuiokFix bracket for 2 devices is, gis ender and receiver), plastic         </li> <li>             pices, RuiokFix bracket for 2 devices is, gis ender and receiver), plastic         </li> <li>             pices, RuiokFix bracket for 2 devices is, gis ender and receiver), plastic         </li> <li>             pices,</li></ul>		Brief description	Туре	Part no.
• Connection type head & Male connector, M12, S-pin, straight, A-coded Signal type: Sensor/actuator coale Cable: 5 m, B-wire, PUR, halogen-free Description: Sensor/actuator coale Signal type: Sensor/actuator coale Connection type head & Fondale, unshelded Connection type head & Fondale, unsheldeded 	A.A.	<ul> <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> </ul>	YF2A18-020UA5M2A18	2096033
• Connection type head B: Male connector, M12. 8 pin, straight, A coded signal type: Senso/Actuator cable • Cable: 10 m, 8 wire, PUR, halogen/ree • Cable: 10 mountingSolution 10 mountingSolutionRefactorsRectangular, screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 hole mountingP250S04812Terminal wireSolutionBEF.ISHABPKU42066614 ± 15°, including MS screw, plastic2066614 ± 15°, including MS screw, plasticBEF.ISHABPKU42068614 2098710PhotoelectricPieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plasticBEF.SSHABPKU42098710PhotoelectricGL10 P4151GL10 P41511069860 GL6-P02115491076688Sofety switchGTB10 P4411501GTB10 P44115011066852 GTB10 P441156107688Sofety switchGTB10 P4411511066852 GTB10 P441156107688Sofety switch1075536 Compatible sensor type: Sofety sensors with OSSDs Connection type: Front connector with spring terminals Restart Interface: no Compatible sensor type: Sofety sensors with OSSDs Connection type: Front connecto		<ul> <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> </ul>	YF2A18-050UA5M2A18	2096034
Rectangular, screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 hole mounting.P2505304812Image: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 hole mounting.P2505304812Image: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 hole with screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeP2505304812Image: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeImage: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeP2505304812Image: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeImage: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeP2505304812Image: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeImage: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeP2505304812Image: Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeImage: Property connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeP250ScrewScrew connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeP250Screw connection, 51 mm x 61 mm, PMMA/ABS, Screw-on, 2 holeScrew connection, 52 method, 52 met		<ul> <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> </ul>	YF2A18-100UA5M2A18	2096035
mountingmountingIncludingIncludingTerminal and Hillion4 pieces, FlexFix brackets2066614Image: SPL Stripping4 pieces, RusFix bracket for 2 devices (e.g. sender and receiver), can be aligned ± 15*, including M5 screw, plasticBEF-1SHABPKU42066614Image: SPL Stripping4 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plasticBEF-3SHABPKU42098710Image: SPL Stripping4 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plasticBEF-3SHABPKU42098710PhotoelectricCIIII - PA151GL10-PA1511069860Image: SPL StrippingGL10-PA151GL6-PO211549GL6-PO211549Image: SPL StrippingGTB10-PA411501GTB6-P74415561076580Image: SPL StrippingGTB6-P7441556GTB6-P74415561076581Image: SPL StrippingSenser Stripping terminals * Restart interlock: no * Compatible sensor types: Safety sensors with OSSDs * Compat	Reflectors			
4 pieces, FiexFix bracket for 2 devices (e.g. sender and receiver), can be aligned ± 15*, including M5 screw, plasticBEF-1SHABPKU4206661420004 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plasticBEF-3SHABPKU420987102000000000Photoelectric00<		-	P250	5304812
* 15*, including M5 screw, plasticand and an an and an an and an an and an and an and an and an and an an and an an and an an and an	Terminal and	alignment brackets		
Photoelectric senserSenser and the senser	Red Co		BEF-1SHABPKU4	2066614
Market       GL10-P4151       GL10-P4151       1069860         GL6-P0211S49       GL6-P0211S49       I070568       I070568         GTB10-P4411S01       GTB10-P4411S01       1066852         GTB6-P7441S56       GTB6-P7441S56       I077541         Safety switchirs amplifier <ul> <li>Applications: Output expansion module for 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 (EDM): Via path</li> <li>Applications: Output expansion module for 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 (EDM): Via path</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 feedback current path (for use as external device monitoring, not safe), 1 signaling current path (for use as external device monitoring, not safe), 1 signaling current path (for use as external device monitoring, not safe), 1 feedback current path (for use as external device monitoring, not safe), 1 signaling current path (for use as external device monitoring, not safe), 1 signaling current path (for use as external device monitoring, not</li></ul>		4 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plastic	BEF-3SHABPKU4	2098710
IndexIndexIndexGL6-P0211S49GL6-P0211S491070568GTB10-P4411S01GTB10-P4411S011066852GTB10-P4411S56GTB6-P7441S561077541Safety switchicSafety switchic colspan="4">Index connector with spring terminals • Compatible sensor types: Safety sensors with OSSDs • Restart interlock: no • External device monitoring (EDM): Via path • Uutputs: 2 enabling current paths (safe), 1 feedback current path (for use as exter- nal device monitoring, not safe) • Housing width: 18 mmRLY3-OSSD4001099971Splications: Output expansion module for OSSDs • Compatible sensor types: Safety sensors with OSSDs • Restart interlock: no • External device monitoring (EDM): Via path • Outputs: 4 enabling current paths (safe), 1 feedback current path (for use as ex	Photoelectric	sensors		
GTB10-P4411S01       GTB10-P4411S01       GTB10-P4411S01       1066852         GTB6-P7441S56       GTB6-P7441S56       1077541         Safety switch:       amplifier       10058343         Safety switch:       compatible sensor types: Safety sensors with OSSDs       RLY3-OSSD100       1085343         Safety switch:       compatible sensor type: Front connector with spring terminals       RLY3-OSSD100       1085343         Safety switch:       compatible sensor type: Safety sensors with OSSDs       RLY3-OSSD100       1085343         Safety switch:       sestart interlock: no       sestart interlock: no       sestart interlock: no       sestart interlock: no         Housing width: 18 mm       Safety sensors with OSSDs       compatible sensor type: Safety sensors with OSSDs       RLY3-OSSD400       1099971         Setternal device monitoring, not safe)       compatible sensor type: Safety sensors with OSSDs       sensor type: Safety sensor type: Safety sensors with OSSDs       sensor type: Safety sensor type: Safety sensors with OSSDs       sensor type: Safety sensor type: Safety sensor type: Safety sensors with OSSDs       sensor type: Safety sensor ty		GL10-P4151	GL10-P4151	1069860
GTB6-P7441S56GTB6-P7441S56GTB6-P7441S561077541Safety switch/ Compatible sensor types: Safety sensors with OSSDs Compatible sensor types: Safety sensors with OSSDs Compatible sensor types: Safety sensors with OSSDs Compatible sensor type: Front connector with spring terminals Pestart 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-OSSD4001095343Image: Sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensor type: Safety sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensors with OSSDs Compatible sensor type: Safety sensor type:		GL6-P0211S49	GL6-P0211S49	1070568
Safety switching amplifierSafety semicinal amplifierApplications: Output expansion module for OSSDs Compatible 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, not safe) Housing width: 18 mmRLY3-OSSD1001085343Image: Applications: Output expansion module for OSSDs • Housing width: 18 mmRLY3-OSSD4001099971Image: Applications: Output expansion module for 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, not safe), 1 signaling current path (not safe) • Housing width: 28 mmRLY3-OSSD4001099971SP1 system plug: SP1 • Connection type: SP1 • Connection type: Male connector M12, 5-pin10002076832		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 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) Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals Compatible sensor types: Safety sensors with OSSDs Compatible sensor types: Safety sensors with OSSDs Compatible sensor types: Safety sensors with OSSDs Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals 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 mmRLY3-OSSD4001099971SP1 system plug:System plug: SP1 Connection type: Male connector M12, 5-pin10002076832		GTB6-P7441S56	GTB6-P7441S56	1077541
• 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-OSSD400       1099971         • Applications: Output expansion module for OSSDs       • Connection type: Front connector with spring terminals       RLY3-OSSD400       1099971         • Applications: Output expansion module for OSSDs       • Connection type: Front connector with spring terminals       RLY3-OSSD400       1099971         • Connection type: Front connector with spring terminals       • Restart interlock: no       • External device monitoring (EDM): Via path       0utputs: 4 enabling current paths (safe), 1 feedback current path (for use as external device monitoring, not safe), 1 signaling current path (not safe)       1099971         SP1 system plug:       • System plug: SP1       • System plug: SP1       1000       2076832	Safety switchi	ng amplifier		
• Compatible sensor types: Safety sensors with OSDs       • Compatible sensor types: 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         SP1 system plug: SP1         • System plug: SP1         • Connection type: Male connector M12, 5-pin		<ul> <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> </ul>	RLY3-OSSD100	1085343
System plug: SP1     Connection type: Male connector M12, 5-pin		<ul> <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> </ul>	RLY3-OSSD400	1099971
Connection type: Male connector M12, 5-pin	SP1 system p	lug		
		Connection type: Male connector M12, 5-pin	1000	2076832

	Brief description	Туре	Part no.
	<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>	1100	2076833
	<ul> <li>System plug: SP1</li> <li>Connection type: Male connector M12, 8-pin</li> <li>Extension connection: -</li> </ul>	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>	1300	2076835
Sensor Integra	ation Gateway		
9	<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
<b>A</b>	<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 stan- dard 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
	<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."

## WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com



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