

2300 deTec

> SICK Sensor Intelligence.

SAFETY LIGHT CURTAINS



Ordering information

System plugs for deTec4, deTec4 HG, deTec4 Ex II 3GD

Functions	System con- nection	Extension connection	Туре	Part no.
SP2	Male connector M12, 8-pin (RES, EDM, ADO, muting)	Female connector M12, 5-pin (RES, EDM, ADO, IO- Link, cascading, smart presence detection, muting)	2300	2093100

The system plug is suitable for deTec and deTem. Additional information can be found in the technical data.

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



Detailed technical data

Features

2
stem plug

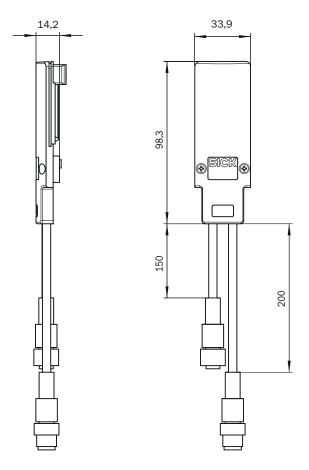
Interfaces

System connection	Male connector M12, 8-pin
PIN assignment	See table in "Pin assignment" graphic
Length of cable	200 mm
Cable diameter	5 mm
Extension connection	Female connector M12, 5-pin

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Length of cable	
Cable diameter	
Configuration method	DIP switch
Application diagnostic output (ADO)	
IO-Link	
Electrical data	
Protection class	III (IEC 61140)
Supply voltage V _S	24 V DC (19.2 V 28.8 V)
Ripple	≤ 10 %
Ambient data	
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))



Pin assignment

deTem4 A/P extension connection



Pin	Active unit
1	+24 V Out
2	In1 EDM Muting
3	0 V Out
4	In2 RES Muting
5	MFP2 ADO IO-Link
For details and	porating instructions

For details see operating instructions

deTec4 extension connection



Pin	Sender	Receiver
1	+24 V Out	+24 V Out
2	N. c.	In1 EDM Muting
3	0 V Out	0 V Out
4	Sync-Out	In2 RES Muting
5	MFP2	MFP2 ADO IO-Link
For details see operating instructions		

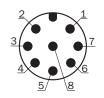
deTem4 A/P system connection



Pin	Active unit	
1	In3 RES Override	
2	+24 V DC	
3	MFP3 ADO	
4	In4 EDM Muting	
5	OSSD1	
6	OSSD2	
7	0 V DC	
8	N. c.	
For details see operating instructions		

For details see operating instructions

deTec4 system connection



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Pin	Sender	Receiver	
1	N. c.	In3 RES Override	
2	+24 V DC	+24 V DC	
3	N. c.	MFP3 ADO	
4	N. c.	In4 EDM Muting	
5	In2 Laser alignment aid button	OSSD1	
6	In1 Laser alignment aid switch	OSSD2	
7	0 V DC	0 V DC	
8	MFP1	MFP1	
For details see operating instructions			

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		
Distributors					
ð.	 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		
Sensor Integration Gateway					
	 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		

Brief description	Туре	Part no.
 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.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com



Online data sheet

