



2300
deTec

SAFETY LIGHT CURTAINS

SICK
Sensor Intelligence.



Ordering information

Functions	System connection	Extension connection	Type	Part no.
SP2	Male connector M12, 8-pin	Female connector M12, 5-pin	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

System part	System plug
Function range	SP2
Items supplied	System plug

Functions

Protective operation	✓
Automatic calibration of the protective field width	✓
Restart interlock	✓
External device monitoring (EDM)	✓
Cascading	✓
Smart presence detection	✓
Reduced resolution	✓
Dynamic protective field width during operation	✓
Sender with reduced scanning range	✓
Differentiation between man and material (muting)	✓

Interfaces

System connection	Male connector M12, 8-pin
Extension connection	Female connector M12, 5-pin
Configuration method	DIP switch
Application diagnostic output (ADO)	✓
IO-Link	✓
Fieldbus, industrial network Integration via Flexi Soft safety controller	CANopen ¹⁾ DeviceNet™ EtherCAT® EtherNet/IP™ Modbus TCP

¹⁾ For additional information on Flexi Soft -> www.sick.com/Flexi_Soft.

	PROFIBUS DP PROFINET
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Electrical data

Protection class	III (IEC 61140)
Supply voltage V_S	24 V DC (19.2 V ... 28.8 V)
Ripple	≤ 10 %

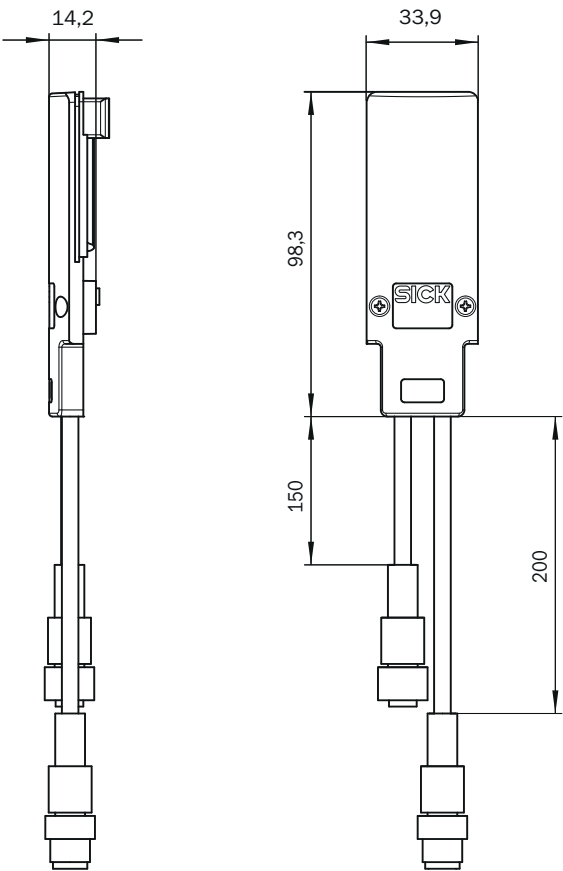
Ambient data

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

ECI@ss 5.0	27272704
ECI@ss 5.1.4	27272704
ECI@ss 6.0	27272704
ECI@ss 6.2	27272704
ECI@ss 7.0	27272704
ECI@ss 8.0	27272704
ECI@ss 8.1	27272704
ECI@ss 9.0	27272704
ECI@ss 10.0	27272704
ECI@ss 11.0	27272704
ETIM 5.0	EC002549
ETIM 6.0	EC002549
ETIM 7.0	EC002549
UNSPSC 16.0901	46171620

Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

Other models and accessories → www.sick.com/deTec

	Brief description	Type	Part no.
Other adapters			
	IO-Link connector	IO-Link connector	2092757
	Muting connector	Muting connector	2092758
	IO-Link V1.1 Class A port, USB2.0 port, optional external power supply 24V / 1A	IOLA2US-01101 (SiLink2 Master)	1061790
	SIG200-0A0412200	SIG200-0A0412200	1089794
	SIG200-0A0G12200	SIG200-0A0G12200	1102605

	Brief description	Type	Part no.
Distributors			
	Head A: female connector, M12, 8-pin, A-coded Head B: female connector, M12, 8-pin, A-coded 8-pin	DSC-1208T000025KM0	6058647

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