



2200
deTec

SAFETY LIGHT CURTAINS

SICK
Sensor Intelligence.



Ordering information

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

Functions	System connection	Extension connection	Type	Part no.
SP2	Male connector M12, 8-pin (RES, EDM, ADO)	Without extension connection	2200	2093099

The system plug is suitable for deTec. 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)	✓
Reduced resolution	✓
Dynamic protective field width during operation	✓
Sender with reduced scanning range	✓
Differentiation between person and material	
Smart Box Detection	✓

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	-
Configuration method	DIP switch
Application diagnostic output (ADO)	✓

Electrical data

Protection class	III (IEC 61140)
Supply voltage V_s	24 V DC (19.2 V ... 28.8 V)

Ripple	≤ 10 %
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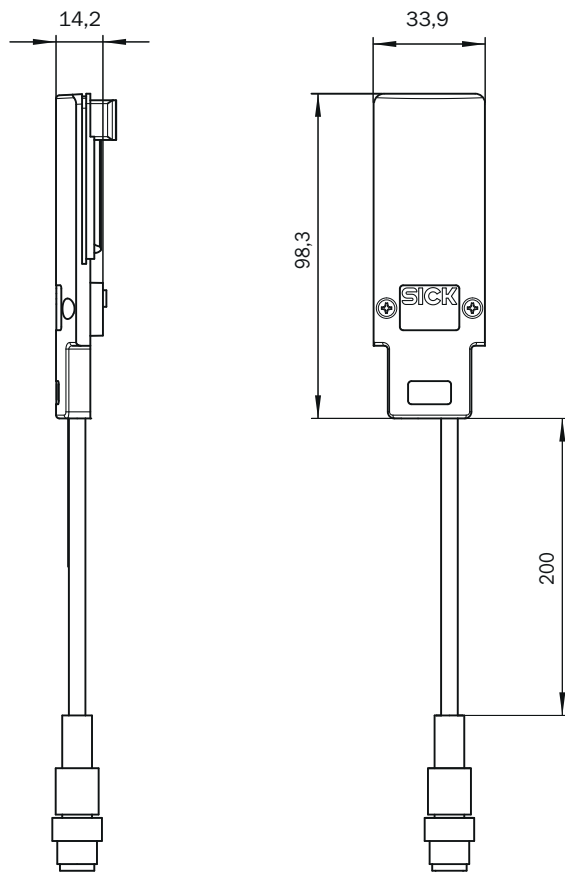
Ambient data

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

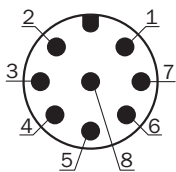
ECLASS 5.0	27272704
ECLASS 5.1.4	27272704
ECLASS 6.0	27272704
ECLASS 6.2	27272704
ECLASS 7.0	27272704
ECLASS 8.0	27272704
ECLASS 8.1	27272704
ECLASS 9.0	27272704
ECLASS 10.0	27272704
ECLASS 11.0	27272704
ECLASS 12.0	27272704
ETIM 5.0	EC002549
ETIM 6.0	EC002549
ETIM 7.0	EC002549
ETIM 8.0	EC002549
UNSPSC 16.0901	46171620

Dimensional drawing (Dimensions in mm (inch))



Pin assignment

deTem4 A/P system connection

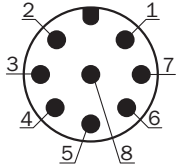


Pin	Active unit
1	In3 RES Override
2	+24 V DC
3	MFP3 ADO
4	In4 EDM Muting
5	OSSD1

Pin	Active unit
6	OSSD2
7	0 V DC
8	N. c.

For details see operating instructions

deTec4 system connection




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	Type	Part no.
Distributors			
	<ul style="list-style-type: none"> 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

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