



PSN02-2301

deTem

SAFETY MULTIBEAM SENSORS

SICK
Sensor Intelligence.



Ordering information

deTem4 A/P

Scanning range	Number of beams	Beam separation	System part	Type	Part no.
3.2 m	4	300 mm	Passive unit	PSN02-2301	1102144

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



Detailed technical data

Features

Sub product family	deTem4 A/P	
Application	Normal industrial environment	
Functional principle	Active/passive	
System part	Passive unit	
Type of diversion	Fibre-optic deflection	
Scanning range category	Low scanning range	
Scanning range	3.2 m	
Dimension of the light path	Typical	0.5 m ... 3.2 m
Number of beams	4	
Beam separation	300 mm	
Items supplied	Passive unit	

Mechanical data

Dimensions	See dimensional drawing	
Housing cross-section	30.7 mm x 34 mm	
Material	Housing	Aluminum extruded profile
	Front screen	Polycarbonate, scratch-resistant coating
Weight	845 g (± 50 g)	

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)

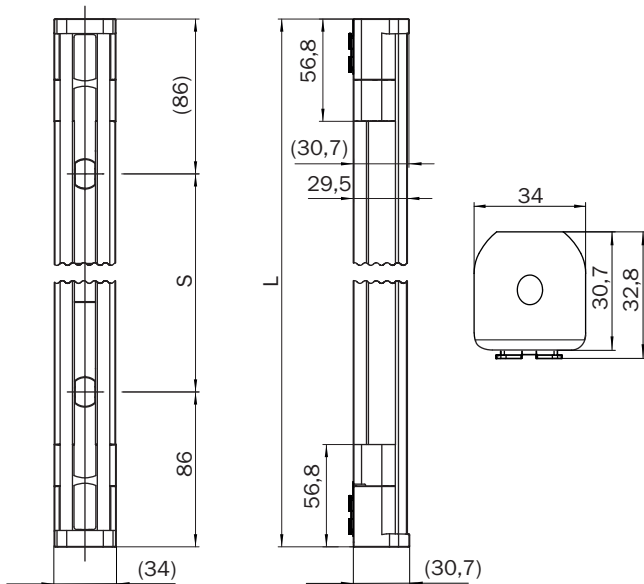
Shock resistance	10 g, 16 ms (IEC 60068-2-27)
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Classifications

ECLASS 5.0	27272703
ECLASS 5.1.4	27272703
ECLASS 6.0	27272703
ECLASS 6.2	27272703
ECLASS 7.0	27272703
ECLASS 8.0	27272703
ECLASS 8.1	27272703
ECLASS 9.0	27272703
ECLASS 10.0	27272703
ECLASS 11.0	27272703
ECLASS 12.0	27272703
ETIM 5.0	EC001832
ETIM 6.0	EC001832
ETIM 7.0	EC001832
ETIM 8.0	EC001832
UNSPSC 16.0901	46171620

Dimensional drawing (Dimensions in mm (inch))



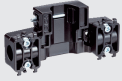




Passive unit for small sensing range (fiber deflection)



Number of beams	Beam separation S	L
2	500	672
4	300	1.072

Recommended accessories

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

	Brief description	Type	Part no.
Muting accessories			
	Sensor bracket G6 and P250	BEF-2KHAAKU1	2113145
	Universal holder for round steel arms and muting arms, for mounting sensors or reflectors	BEF-KHS-N01	2044953
	Muting arm bracket for deTec safety light curtain or deTem safety multibeam sensor	Muting arm bracket	2106455
	Muting arm, long	Muting arm, long	2111923
	Muting arm, short	Muting arm, short	2111924
Terminal and alignment brackets			
	4 pieces, FlexFix bracket for 2 devices (e.g. sender and receiver), can be aligned $\pm 15^\circ$, including M5 screw, plastic	BEF-1SHABPKU4	2066614
	4 pieces, QuickFix bracket for 2 devices (e.g. sender and receiver), plastic	BEF-3SHABPKU4	2098710

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