DO3D-10-CH-S1-LI-W230-L-L5



Ordering information

Designation for ordering	DO3D-10-CH-S1-LI-W230-L-L5
Part number	**626-11001**
Order text	DTECT Object 3D, 150...500 mm, infrared light, 3xQ Auto-detect (2x switchable to input), IO-Link, plug M12x1 5-pin
Components supplied	Operating manual, Sensor

Optical data	
Field of view type	88x80 mm...280x253 mm (working distance 150...500 mm)
Working range *[mm]*	150 ... 500
Light source	Laser
Laser class	1 (IEC 60825-1)
Light color	Infrared
Wavelength *[nm]*	795
Wavelength 2 *[nm]*	670
Explanation of wavelength	In operation, 795 nm, during teach-in process, red field of view of 670 nm
Sensitivity to ambient light *[Lux]*	≤ 5000

Functions	
Max. number of jobs	1
Display	LED with display object OK = green, object NOK = red, LED red/green invertible via menu
Setting options	Output functions on pin (selectable on pin 2, pin 4, pin 5) - Object OK / NOK - Antivalent - Sensor ready - Signal quality OK Input functions on pin (selectable on pin 2, pin 5) - Trigger - Key lock - Emitter On / Off

IO-Link	
Data storage	Yes
Communication mode	COM 3
Length of the process data *[Bit]*	4
Min. cycle time *[ms]*	10.0
SIO mode	is supported

The information contained in this data sheet has been prepared with the utmost care. We reserve the right to make technical changes.

Electrical data

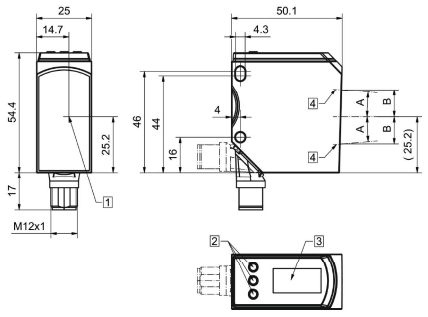
Operating voltage UB *[V DC]*	12 ... 30
No-load current *[mA]*	≤ 200
Explanation of no-load current	Operating voltage 24 V, with operating voltage of 12 V no-load current ≤ 375 mA
Readiness delay *[ms]*	≤ 5,000
Reverse polarity protection	Yes
Short circuit protection	Yes
Max. output current *[mA]*	100
Explanation of max. output current	≤100 mA at pin 4, output current at pin 2 and pin 5 ≤50 mA
Response time Q *[µs]*	≤ 16,000
Explanation of response time	with trigger setting = "continuous" 26...37 ms, in triggered operation 16-21 ms
Protection class	2
Output function	N.O./N.C./antivalent Q1
Power consumption *[W]*	4.50
Switching output Q	Auto-detect / PNP / NPN / Push-pull
Number of outputs	3
Warm-up time *[Min.]*	5

Mechanical data

Height *[mm]*	54.4
Length *[mm]*	50.1
Width *[mm]*	25.0
Weight *[g]*	~ 160
Front panel material	PMMA
Housing material	Die-cast zinc, painted black
Ambient temperature: operation *[°C]*	-10 ... 50
Ambient temperature: storage *[°C]*	-20 ... 60
Protection class	IP 67
Explanation of protection class	with IP 67 plug connected
Vibration and shock resistance	EN IEC 60947-5-2
Connection name	Plug, M12x1, 5-pin, IO-Link

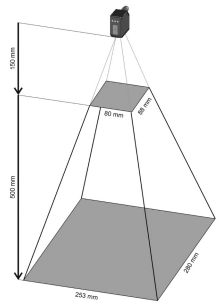
Technical drawings

Dimensional drawing



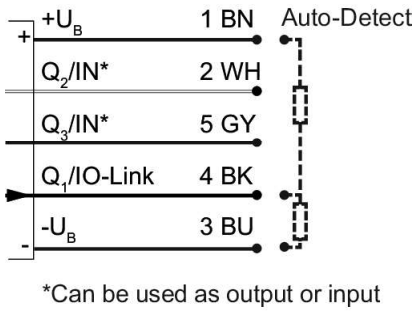
1 = Sendeachse, 2 = Tasten, 3 = Display, 4 = Empfängerachse

Field of view



Blindzone 150 mm

Connections



*Can be used as output or input

Product link

https://www.sensopart.com/en/products/details/626-11001