

TAKEX IP67 PHOTOELECTRIC BACKGROUND SUPPRESSION SENSOR

DLS100RE

Photosensor diff. BGS 0,1-1m PNP/NPN

- Detects different objects at the “same” distance
- Operates in dusty and dirty environments
- Protective casing available as an optional extra
- IP67



PRODUCT DESCRIPTION

A very compact, background suppression photoelectric sensor with a long detection distance. Precise and simple sensitivity setting with a 5-turn potentiometer with scale. DLS100R works with red visible light. A clear red light point can be seen at a distance of up to 1 m. For uses, the red visible light is very useful for adjustment and operation. A good choice for difficult direct detecting, e.g. the colour, surface or shape of objects varies. Behind the object is a “background” which must not be detected. This operates satisfactorily in dusty and dirty environments.

TECHNICAL DATA

Approvals	CE
Distance max	1000 mm
Distance min	100 mm
Electrical connection	Embedded 2m cable
Function	Dark on / Light on
IP class	IP67
Light type	Red LED
Light/dark switching	Yes
Output	NPN, PNP
Output current max	0,1 A
Photocell technology	Background suppression
Power consumption max	0,03 A
Reaction time	2 ms

Temperature operational max 55 °C

Temperature operational min -25 °C

Voltage dc max 24 V

Voltage dc min 12 V

