



## 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

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

Temperature operational max 55 °C

Temperature operational min -25 °C

Voltage dc max 24 V

Voltage dc min 12 V

