DATALOGIC - LD46 - LUMINESENCE SENSORS

LD46-UL-715
955201000 Luminescence 10-20mm PNP/NPN
Analogue Out

- 6 x High-Power UV LED's
- Teach in push botton setting
- Simple setting with +/- buttons
- Rotatable 5-pole M12 connector
- PNP/NPN output

PRODUCT DESCRIPTION

The LD46 series with luminescence photoelectric sensors transmits UV light and detects solely visually converted light that is reflected from a fluorescent surface, independent of background colour and surface. The photoelectric sensors work with 6 x High-Power UV LED's that enable detection on surfaces with unevenly fluorescent material.

The sensors are used within the wood industry where the surfaces can be uneven, the pharmaceutical and cosmetics industry to detect labels on test tubes and glass bottles. In packaging machines to detect paper and fluorescent adhesives and within the mechanical industry for detection of fluorescent lubricants and thread locking.

Features & Benefits:
·UV power emission for high detection reliability
·Teach-in push-button for fast and easy setting
·2 KHz switching frequency
·Rotatable M12 5-pole connector

Applications:
·Packaging lines
·Wood working machines
·Glass working machines
·Ceramics working machines

TECHNICAL DATA

Approvals	CE, UL
Dimension (mm)	31 x 81 x 58
Distance max	20 mm
Distance min	10 mm
Electrical connection	M12 5-pole connector
IP class	IP67

LED indicator	Yes
Lens material	Glass
Light type	UV LED
Material of body	Aluminium
Output	NPN, PNP
Output current max	0,1 A
Photocell technology	Luminescence
Power consumption max	0,05 A
Reaction time	0,25 ms
Sensitivity setting	Yes
Storage temperature max	70 °C
Storage temperature min	-20 °C
Supply voltage	15-30 V DC
Temperature operational max	55 °C
Temperature operational min	-10 °C
Type of light	LED
Weight	180 g