



LD46

955201020

LD46-UL-735

LUMINESCENCE SENSOR LINE IN STANDARD METAL HOUSING

OVERVIEW

- UV high power LED emission
- High sensitivity on fluorescent marks
- 10 - 50 mm detection distance
- 2 kHz switching frequency
- NPN/PNP and 0-5 V analog outputs

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	50mm
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Sensitivity adjustment	Teach-in
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Application

Function Principle	Luminescent mark detection
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Description	Standard case - vertical spot
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Optic position	axial
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Functions	Luminescent mark detection
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Outputs

Output type	NPN/PNP - Dark/Light sel., 0-5 V
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Response time	0,25
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Electrical data

Operating Voltage	10...30VDC
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Short-circuit protection	YES
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Reverse Polarity Protection	Yes
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Emission	LED UV
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Interference to external light	according to EN 60947-5-2 : 2020
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Impulsive Overvoltage Protection	Yes
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Insulation resistance	>20 MΩ 500 Vdc, between electronics and housing
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Contact resistance	500 Vac 1 min., between electronics and housing
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Mechanical data

Dimensions	32x60x82
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Housing Material	Metal - Aluminium / Glass
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Connections	M12 plug
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Active Head Material	Glass
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Storage temperature	- 25°C...+70°C
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Material

Test/Approvals

Approvals

CE cULus

Shocks and vibrations

0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)

Generical Data

Dimensions

32x60x82

Mechanical Protection

IP67

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