

TL50

954651000

TL50-W-815

TL/LD LENS FOCUSING AT 9 MM

OVERVIEW

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	9mm
Spot dimension	1,5 x 5mm
Sensitivity adjustment	Teach-in

Application

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

Outputs

Output type	NPN/PNP Dark/Light sel.
Output Function	Dark/Light sel.
Switching frequency	15 kHz
Response time	0,033 (15kHz)

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 50mA
Output voltage drop	≤2V@Iload=100mA
LED indicators	Yellow (output state) Green (Ready) Orange (delay)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED RGB
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	31x53x80

Material	
Housing material	Plastic - ABS / PMMA
Connections	M12 plug
Active Head Material	Glass
Storage temperature	- 25°C…+70°C
Diameter/Dimension	Cubic

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	31x53x80
Operating Temperature	- 10°C…+ 55°C
Mechanical Protection	IP67

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