
# TLU

# 964401100

**TLμ-115**

**ALL REGISTRATION MARK DETECTION APPLICATIONS**

# OVERVIEW

- Teach-in, Remote settings
- Red/green or white LED emission
- Various interchangeable lenses and fiber-optic models
- Metal housing with orientable optics and connector

# 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 | Radial 90° |

| | |
|---|---|
| Functions | Contrast mark detection |

Outputs

| | |
|---|---|
| Output type | PNP L/D selectable |
| Output Function | L/D selectable |
| Response time | 0,05 (10kHz) |

Electrical data

| | |
|---|---|
| Operating Voltage | 10…30VDC |
| No-Load supply current | ≤ 80mA |
| Output voltage drop | ≤2V |
| LED indicators | red OUTPUT greenREADY |
| 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 |

Mechanical data

| | |
|---|---|
| Dimensions | 31x58x82 |
| Material | |

| | |
|---|---|
| Housing material | Metal - Zamak |
| Connections | M12 plug |
| Active Head Material | Glass |
| Storage temperature | - 20°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 | 31x58x82 |
| Operating Temperature | -10°C ... 55°C |
| Mechanical Protection | IP67 |

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