

SICK OLM200-1009

SICK OLM200-1009 | OLM200
LINEAR MEASUREMENT SENSORS

Mechanics/electronics

Supply voltage Vs DC 18 V ... 30 V

Ripple ≤ 5 Vpp

Power consumption < 5.5 W

Initialization time 10 s

Enclosure rating IP65 (EN 60 529)

Protection class III

Performance

Measuring range 0 m ... 10,000 m 1)

Resolution 0.1 mm, 1 mm, 10 mm, 100 mm

Repeatability 0.15 mm 2)

Response time 10 ms 3)

Output time 2.5 ms

Light source LED, red

Accuracy of speed output ± 5 mm/s

Max. movement speed 7 m/s

Reading distance 100 mm, ± 20 mm

Barcode width 30 mm

Interfaces

PROFINET ✓

Digital input Multifunctional input MF2

Digital output

Number 1

Type PNP / NPN

Function Position, speed, control mark Q00 (off), Q01 (on), illumination on/off, service [failure (dirt/LED

service life), no barcode tape, over/under temperature, out of measuring range 0 km > position > 10 km, internal error]

Maximum output current IA ≤ 100 mA

Ambient data

Electromagnetic compatibility (EMC) EN 61000-6-2

EN 61000-6-4

Ambient temperature, operation $-30^{\circ}\text{C} \dots +60^{\circ}\text{C}$

Ambient temperature, storage $-40^{\circ}\text{C} \dots +75^{\circ}\text{C}$

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Typ. Ambient light immunity $\leq 5,000 \text{ lx}$ 3)

Vibration resistance DIN/EN 60068-2-6, DIN/EN 60068-2-64

Shock resistance DIN/EN 60068-2-27



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