



Register sensors Ethernet POWERLINK

RS25-WL334000



Model Name > [RS25-WL334000](#)
Part No. > [1061571](#)



At a glance

- PLC embedded register control
- Multi LED (RGB)
- Fast communication via Ethernet Powerlink
- Very high repeatability (40 µm)
- Detects up to 20 marks of different colors
- Reading window for improved reliability

Your benefits

- High precision to enhance print quality
- Sensor for explosive gas areas - ATEX certified
- Flexible solution via the PLC embedded register control unit
- Cost-saving potential with less material waste and less production conversion time



Features

Dimensions (L x W x H):	200 mm x 100 mm x 47 mm
Sensing distance:	10 mm
Sensing distance tolerance:	± 1 mm
Light source:	LED red, green, blue
Maximum No. of marks in register:	18
Start code:	Configurable

Interfaces

Data interface:	Ethernet POWERLINK
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Mechanics/electronics

Supply voltage V_s ¹⁾ :	DC 12 V ... 30 V
Power consumption ²⁾ :	< 250 mA
Connection type:	2 x M12, 4-pin, Ethernet
Protection class ³⁾ :	III
Circuit protection:	Outputs overcurrent and short-circuit protected Interference suppression VS connections reverse-polarity protected
Enclosure rating:	IP 65
Weight:	1,000 g
Housing material:	Aluminum
Accuracy:	40 µm

ATEX approval:

1

ATEX marking:

Ex II (2)G [Ex op is Gb] IIB

1) Limit values: operation in short-circuit protected network max. 8 A 2) Without load 3) Reference voltage DC 50 V

Ambient data

Ambient temperature:

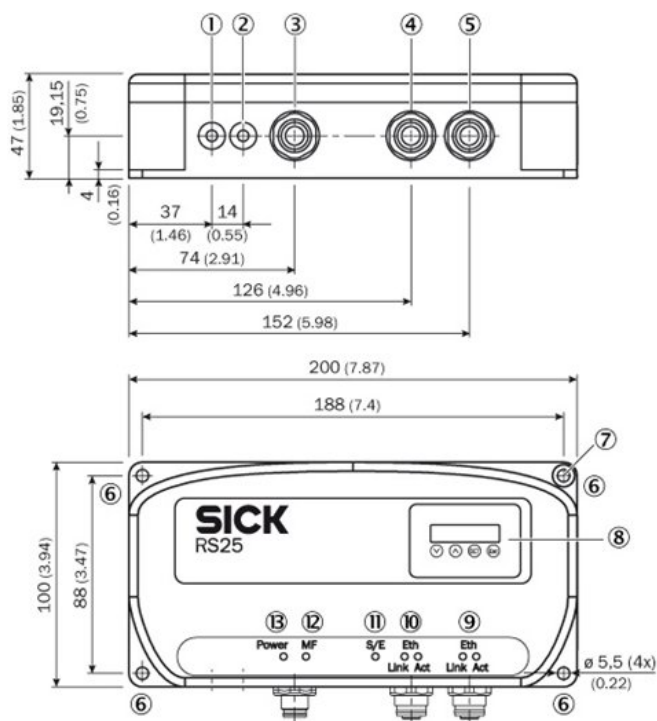
Operation: -10 ... 55 °C

Storage: -20 ... 70 °C

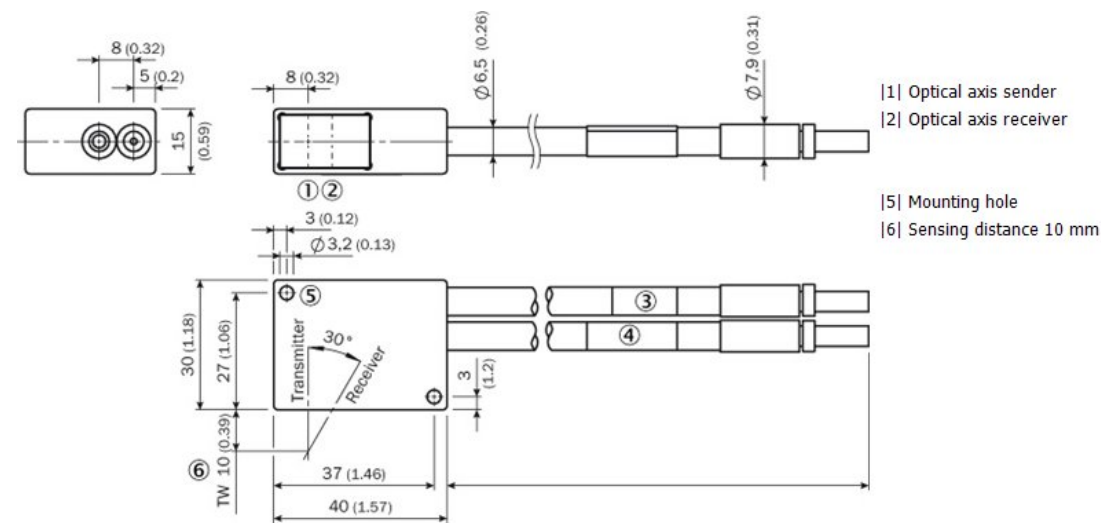
Shock load:

According to IEC 60068

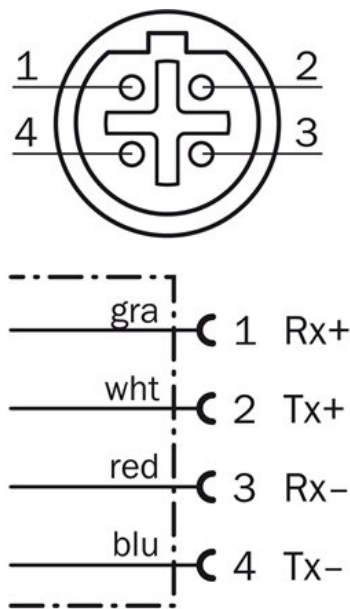
Dimensional drawing: Evaluation unit



Dimensional drawing: optical sensor head

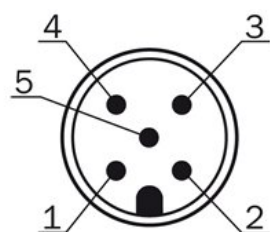


Connection type and diagram ethernet

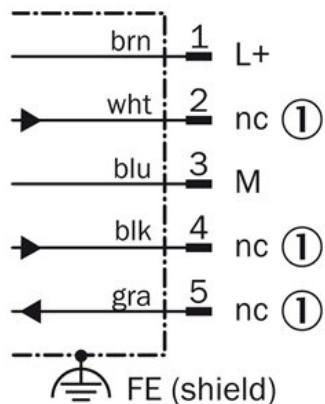


M12 (D-coded)

Connection type and diagram supply voltage

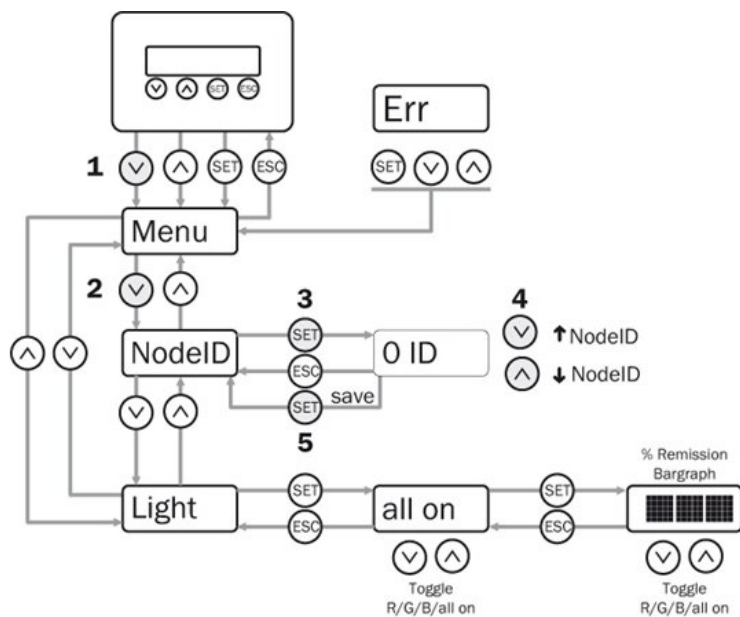


|1| Not connected



M12 (A-coded)

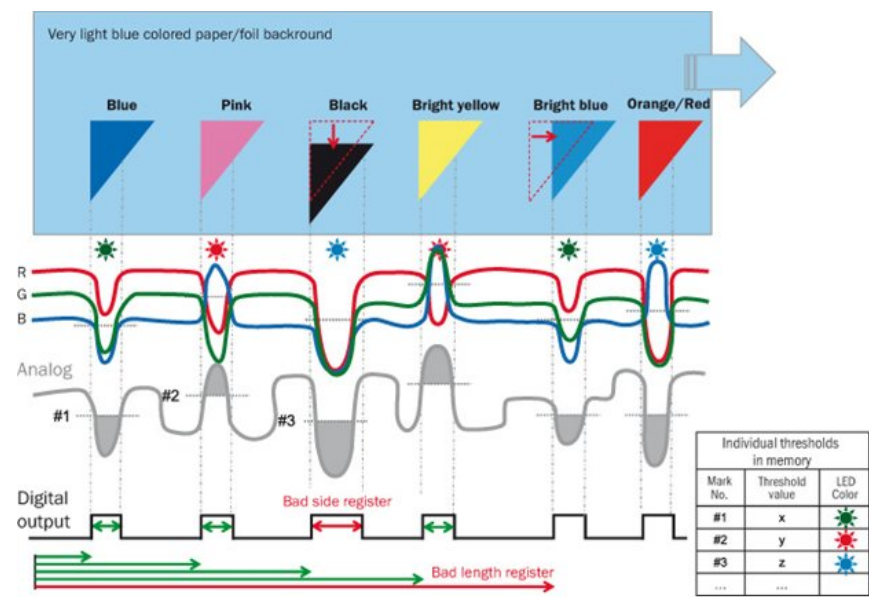
Flow diagram



6. Perform a restart. This is done by switching the supply voltage off and then on again after 5 seconds.

The register sensor is ready to communicate with the control (PLC).

Functional principle



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