



# CR

## CR0/0I-1V

Area Sen, H=69mm-10mm pitch, Reflex  
RETROREFLECTIVE POLARIZED AREA SENSORS

## OVERVIEW

- Area height controlled 69 mm
- Maximum operative distance up to 4.5 m
- Minimum object detection diam. 6mm
- Two teach-in types: fine and standard
- Optical pitch 10mm
- Protection degree IP67
- Blanking function



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	0,2 ... 4,5m (with RL106G)
Thermal drift of Sr	≤10%
Beams space	10mm
controlled height	69mm
minimum detectable object	Ø 3...7mm @ 2m RL106G - Ø 3...16mm @ 4,5m RL106G

number of rays	6
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Sensitivity adjustment	Teach in: fine < 3s; standard > 6s
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## Application

Function Principle	Retroreflective polarized area sensor
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## Outputs

Output type	IO Link/PNP
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Output Function	NO/NC
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Switching frequency	400Hz
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## Electrical data

Operating Voltage	12...30VDC
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No-Load supply current	100mA
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Load current	160mA
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Leakage current	$\leq 1\mu\text{A}$
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Output voltage drop	1,6Vdc @ 100mA
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Max ripple content	$\leq 10\%$
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LED indicators	green: power supply-alignment; red: dark/light status
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Time delay before availability	< 300ms
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Short-circuit protection	Yes (autoreset)
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Reverse Polarity Protection	Yes
Emission	Red (617nm)
Interference to external light	5000lux (fluorescent lamp); 50000lux (sun light)
Impulsive Overvoltage Protection	Yes

#### Mechanical data

Dimensions	107mm x 20mm x 36mm
Weight	100g
Housing Material	Aluminim
Connections	M12 4pin + cable PVC 200mm
Active Head Material	PMMA
Operating temperature	-10°C...+ 55° C (without freeze)

#### Test/Approvals

Approvals	CE, cULus,UKCA
EMC compatibility	EN 60947-5-2
Shocks and vibrations	IEC EN 60947-5-2 / 7.4
Degree of protection	IP67

#### Accessories

Supplied Accessories	RL106G reflector + fixing kit (ST151)
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## Generical Data

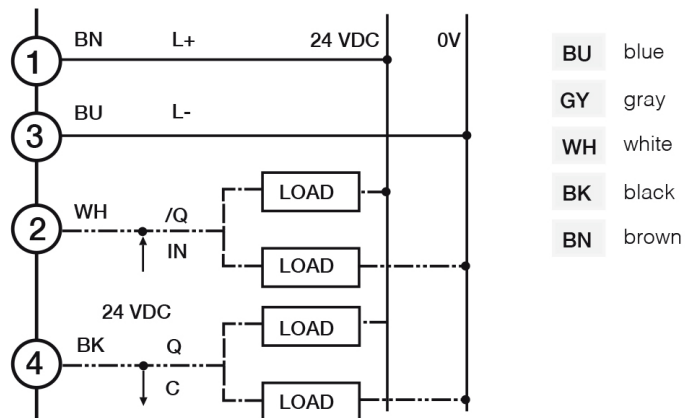
Dimensions 107x20x36

Operating Temperature -10°C...+ 55° C (without freeze)

Mechanical Protection IP67

# CONNECTIONS

## Electrical diagram

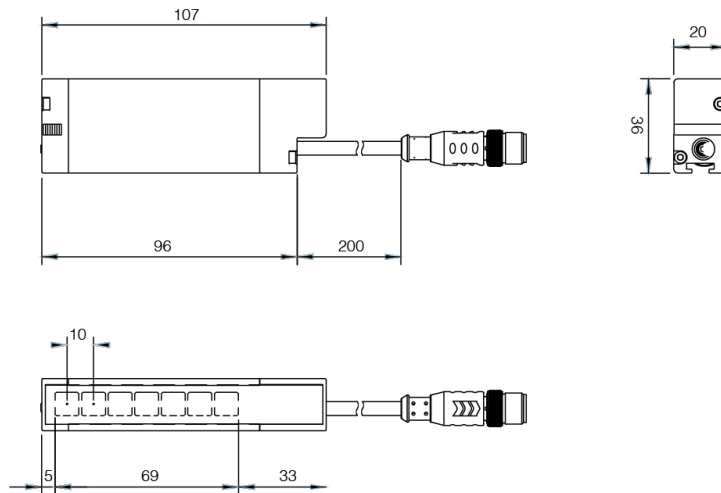


## Connector



## OTHERS

### Dimensions



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**date of  
printing**  
10/04/2026  
05:23:32