



CR

CR2/0I-1V

Area Sen, H=309mm-10mm pitch, Reflex
RETROREFLECTIVE POLARIZED AREA SENSORS

OVERVIEW

- Area height controlled 309 mm
- Maximum orwearive distance up 4,5m
- 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 RL136)
--------------------------	---------------------------

Thermal drift of Sr	≤10%
---------------------	------

Beams space	10mm
controlled height	309mm
minimum detectable object	Ø 3...10mm @ 2m RL136 - Ø 3...20mm @ 4,5m RL136
number of rays	30 (16 emitters, 15 receivers)
Sensitivity adjustment	Teach in: fine < 3s; standard > 6s

Application

Function Principle	Retroreflective polarized area sensor
--------------------	---------------------------------------

Outputs

Output type	IO Link/PNP
Output Function	NO/NC
Switching frequency	190Hz

Electrical data

Operating Voltage	12...30VDC
No-Load supply current	150mA
Load current	160mA
Leakage current	≤1µA
Output voltage drop	1,6Vdc @ 100mA
Max ripple content	≤ 10%

LED indicators	green: power supply-alignment; red: dark/light status
Time delay before availability	< 1s
Short-circuit protection	Yes (autoreset)
Reverse Polarity Protection	Yes
Emission	Red (617nm)
Interference to external light	5000lux (fluorescent lamp); 50000lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Weight	310g
Housing Material	Aluminim
Connections	M12 4pin + cable PVC 200mm
Active Head Material	PMMA

Test/Approvals

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

Accessories

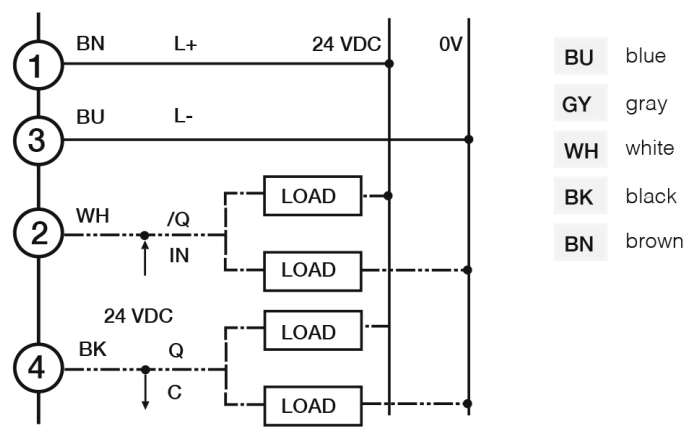
Supplied Accessories	Q.ty 2 RL136 reflector + fixing kit (ST151)
----------------------	---

Generical Data

Dimensions	347x20x36
Operating Temperature	-10°C...+ 55° C (without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

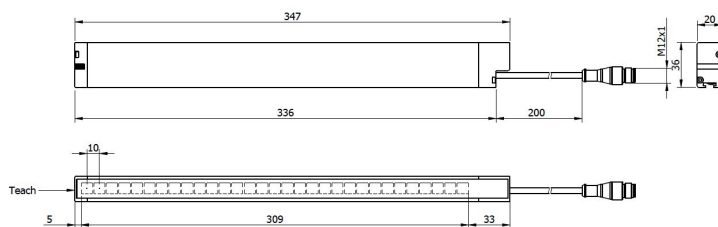


Connector



OTHERS

Dimensions



Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of
printing
29/05/2025
10:45:22