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CR0 series

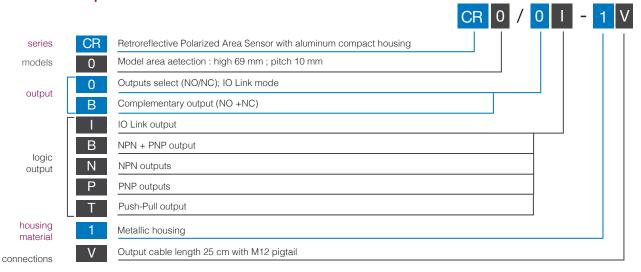
Retrore lective Polarized Area sensors

features

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



code description



available models

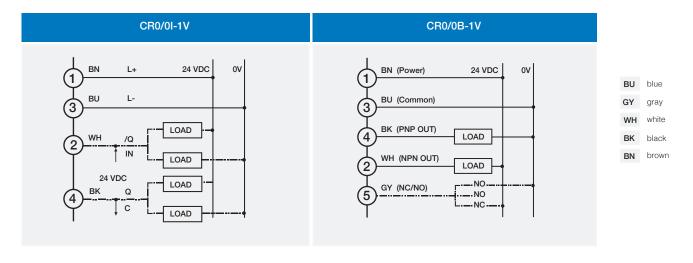
pitch (mm)	detection height (mm)	working range (m)	response time (ms)	plug	poles	logic	output	models
10	69	0.24,5	1.2	M12	4	IO Link	IO Link	CR0/0I-1V
					5	PNP+NPN	NC/NO	CR0/0B-1V
						Push Pull		CR0/0T-1V
					4	PNP	NO+NC	CR0/BP-1V
						NPN		CR0/BN-1V

technical specifications

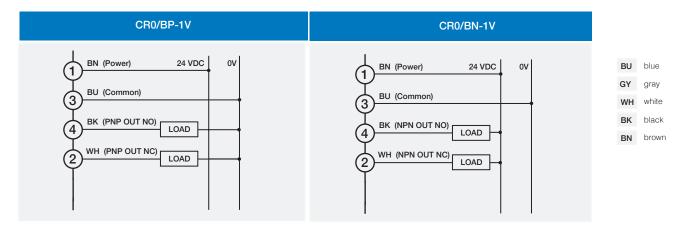
	CR0			
	CRU			
nominal sensing distance (Sn)	0.24.5 m (RL106G - ExG 2)			
emission	red (617nm)			
operating voltage	1630 Vdc			
no load supply current	≤ 10%			
no load supply current	100mA			
load current	100mA			
leakage current	≤ 100 µA (Vdc max)			
output voltage drop	3 V max (100mA)			
adjustment	Teach-in: fine < 3 sec; > 6 sec			
output type	PNP; NPN; Push-pull; (NO+NC) compl. output (NO+NC)			
switching frequency	600 Hz			
time delay before available	300 ms			
minimum object detection	36mm @2m RL106G ⁽¹⁾ 310mm@4,5m RL106G ⁽¹⁾			
power supply protections	polarity reversal, transient			
output protection	short circuit (autoreset)			
interference external light	5000 lux (fluorescent lamp); 50000 lux (sunlight)			
operative temperature range	-10°C+55°C (without freeze)			
temperature drift	10% Sr			
LED indicators	green: power supply red: dark/light status			
protection degree	IP67 (EN60529)			
housing material	aluminium			
optical material	PMMA			

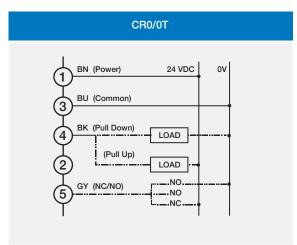
^{(1) 106}G reflector 20 x 80mm (concealment)

electric diagrams of the connections



electric diagrams of the connections



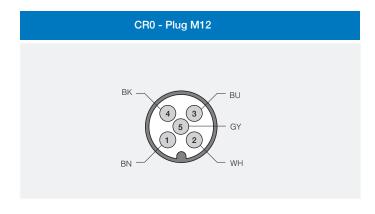


response diagrams

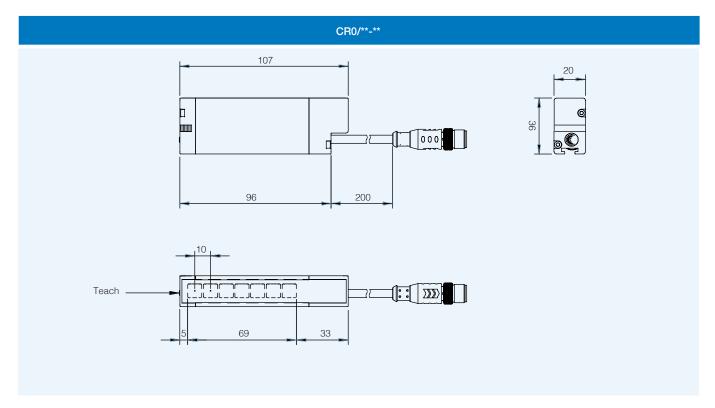
Distance from sensor to reflector

Reflector	Min (m)	Max (m)
RL 106G	0,2	5,5
RL 135	0,3	3,5
RL100D (150 x 40mm)	0,3	2,5

plugs



dimensions (mm)



dimensions (mm)

accessories included with all models

