

- Cost-optimized series for standard tasks
- Large construction with small housing
- Relay output

CE  EAC UK
CA

Technical drawing of a cable assembly, showing dimensions and views.

Dimensions:

- Overall length: 34.35
- Overall width: 24
- Top section width: 18
- Top section height: 9
- Top section offset: 2
- Bottom section height: 8
- Bottom section offset: 8
- Top section offset: 5
- Top section offset: 7.15
- Top section offset: 35
- Top section offset: 6
- Top section offset: 36
- Top section offset: 50
- Top section offset: 62
- Top section offset: 25
- Top section offset: 6
- Top section offset: 4.5 (ø)

Views:

- Top view (left): Shows the overall dimensions and the top section.
- Front view (center): Shows the cable assembly with a connector labeled "M12" and a threaded section labeled "M12".
- Side view (right): Shows the cable assembly with a connector labeled "M12" and a threaded section labeled "M12".
- Bottom view (bottom): Shows the cable assembly with a connector labeled "M12" and a threaded section labeled "M12".

General specifications

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

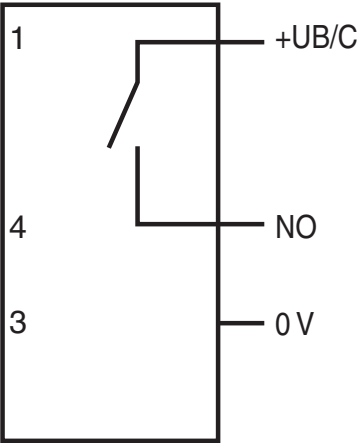


Technical Data

Effective detection range	0 ... 9000 mm	
Reflector distance		20 ... 9000 mm
Threshold detection range	12 m	
Reference target		reflector C110-2
Light source	LED	
Light type		modulated visible red light , 630 nm
Polarization filter	yes	
Diameter of the light spot		approx. 200 mm at a distance of 6 m
Opening angle	3 °	
Ambient light limit		50000 Lux
Functional safety related parameters		
MTTF _d		790 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		LED green: power on
Function indicator		LED yellow: 1. LED lit constantly: signal > 2 x switching point (function reserve) 2. LED flashes: signal between 1 x switching point and 2 x switching point 3. LED off: signal < switching point
Electrical specifications		
Operating voltage	U _B	12 ... 30 V DC
No-load supply current	I ₀	≤ 40 mA
Power consumption	P ₀	≤ 1 W
Output		
Switching type		light-on
Signal output		relay, 1 NO
Switching voltage		max. 30 V DC
Switching current		max. 3 A
Switching power		DC: max. 90 W
Switching frequency	f	20 Hz
Response time		≤ 25 ms
Conformity		
Product standard		IEC / EN 60947-5-2
Approvals and certificates		
EAC conformity		TR CU 020/2011
UL approval		cULus Listed, Class 2 Power Source, Type 1 enclosure
Ambient conditions		
Ambient temperature		-25 ... 55 °C (-13 ... 131 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Housing width		18 mm
Housing height		62 mm
Housing depth		35 mm
Degree of protection		IP67
Connection		Single-ended male cordset, right-angled, M12, 3-pin
Material		
Housing		Polycarbonate
Optical face		PMMA
Cable		
Length	L	3 m
Mass		225 g

Connection

Option:

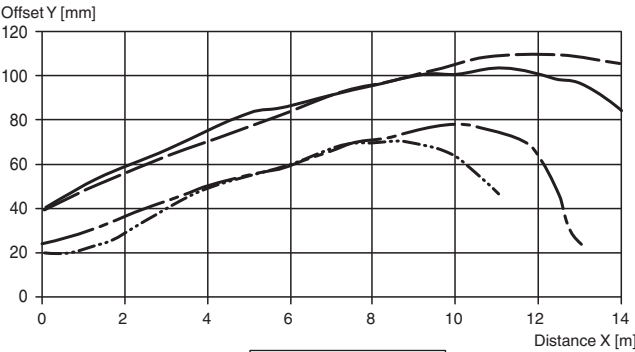


Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

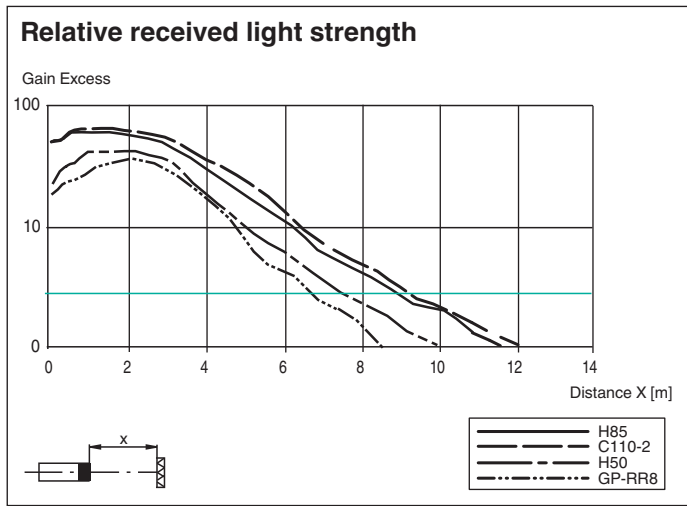
Characteristic Curve

Characteristic response curve



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Characteristic Curve



Accessories

	REF-C110-2	Reflector, round ø 84 mm, central mounting hole
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