

Technical data**General specifications**

Effective detection range	0 ... 4000 mm
Reflector distance	0 ... 4000 mm
Threshold detection range	8 m (with C110-2 reflector)
Reference target	reflector C110-2
Light source	LED
Light type	modulated visible red light
Approvals	CE, cULus
Diameter of the light spot	approx. 100 mm at a distance of 4000 mm
Angle of divergence	approx. 2 °
Ambient light limit	80000 Lux
Accessories provided	reflector C110-2 , Mounting bracket

Functional safety related parameters

MTTF _d	740 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

Function display	LED green, lights up when light beam is free/flashes when falling short of the stability control
Controls	sensitivity adjustment
Controls	Light/dark switch

Electrical specifications

Operating voltage	U _B	12 ... 240 V AC/DC
Power consumption	P ₀	3 VA

Output

Switching type	Light/Dark ON switchable	
Signal output	relay, 1 NO	
Switching voltage	max. 240 V AC	
Switching current	max. 2 A	
Switching frequency	f	25 Hz
Response time		2 ms

Standard conformity

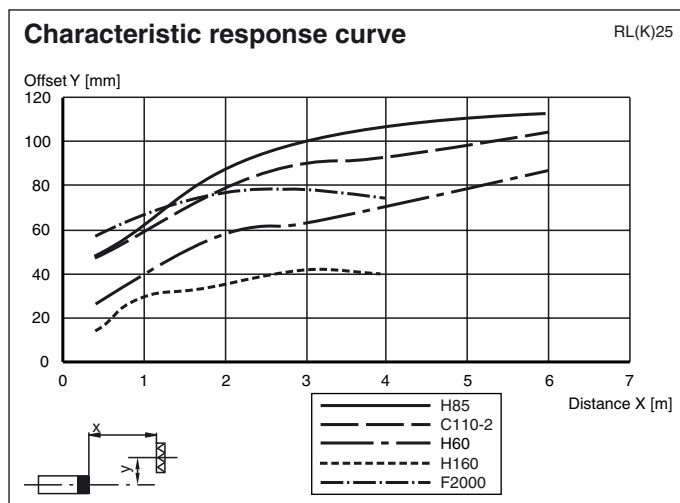
Standards	EN 60947-5-2
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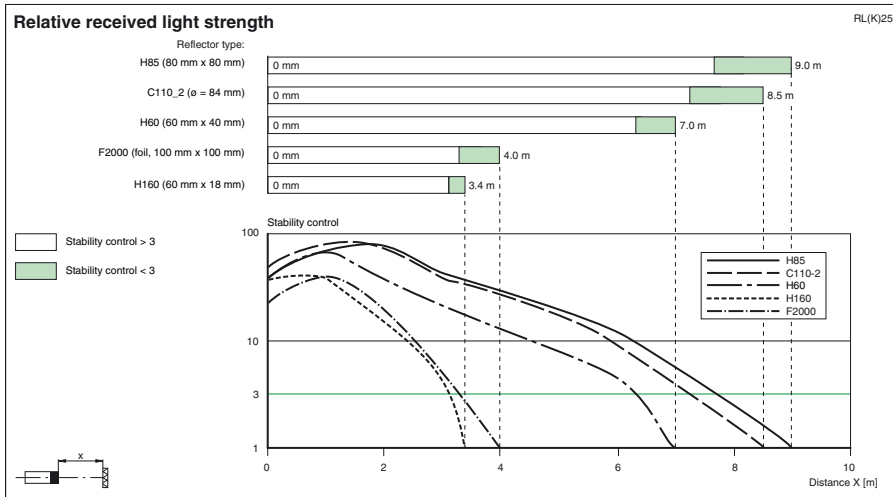
Ambient conditions

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 75 °C (-4 ... 167 °F)

Mechanical specifications

Protection degree	IP65
Connection	4-pin, M18 plastic connector
Material	
Housing	Terluran GV15
Optical face	glass
Mass	100 g

Curves/Diagrams



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