

GLV12-6/./40b/115

Reflection light beam switch

GLV12-6/./40b/115

with 2 m fixed cable

CE

Sensors in
threaded housings



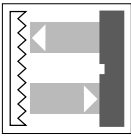
- ◆ Detection range up to 2 m
- ◆ Light/dark ON, programmable
- ◆ Visible red light
- ◆ Protection degree IP67

For suitable cable sockets, reflectors and mounting aids refer to chapter "accessories".

Date of issue
10/8/01

Ordering code		GLV12-6/36/40b/115	GLV12-6/37/40b/115
Effective detection range	0 ... 2000 mm	◆	◆
Reference target	H85 reflector	◆	◆
Reflector distance	0 ... 2000 mm	◆	◆
Light source	LED	◆	◆
Light type	Red, alternating light	◆	◆
Ambient light limit	20000 Lux	◆	◆
Standard conformity	EN 60947-5-2	◆	◆
Approvals	CE	◆	◆
Function display	LED yellow: switching state	◆	◆
Controls	sensitivity adjuster	◆	◆
Operating voltage	10 ... 30 V DC	◆	◆
Ripple	10 %	◆	◆
No-load supply current	≤ 20 mA	◆	◆
Time delay before availability	≤ 25 ms	◆	◆
Signal output	1 pnp		◆
	1 npn	◆	
Switching type	light/dark switching	◆	◆
Switching voltage	max. 30 V DC	◆	◆
Switching current	max. 300 mA	◆	◆
Voltage drop	≤ 3 V	◆	◆
Switching frequency	≤ 700 Hz	◆	◆
Response time	≤ 0.7 ms	◆	◆
Control input	Light on: +UB Dark on: 0 V	◆	◆
Ambient temperature	-25 ... +55 °C	◆	◆
Storage temperature	-40 ... +70 °C	◆	◆
Protection degree	IP67	◆	◆
Connection type	2000 mm PVC cable, 4 x 0.14 mm²	◆	◆
Housing	brass, nickel plated	◆	◆
Light exit	PMMA	◆	◆
Mass	45 g	◆	◆

Sensors in
threaded housings

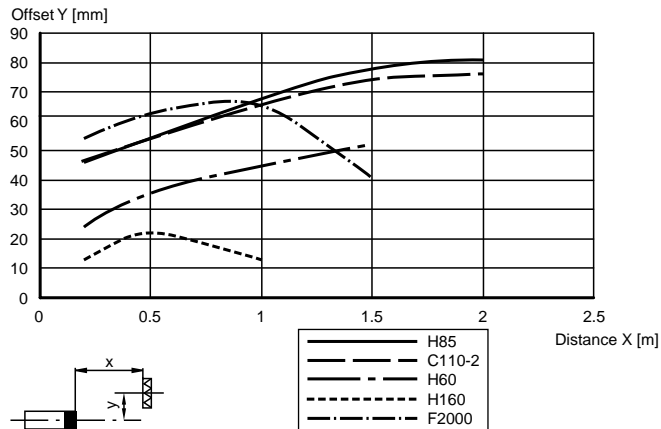


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Diagrams

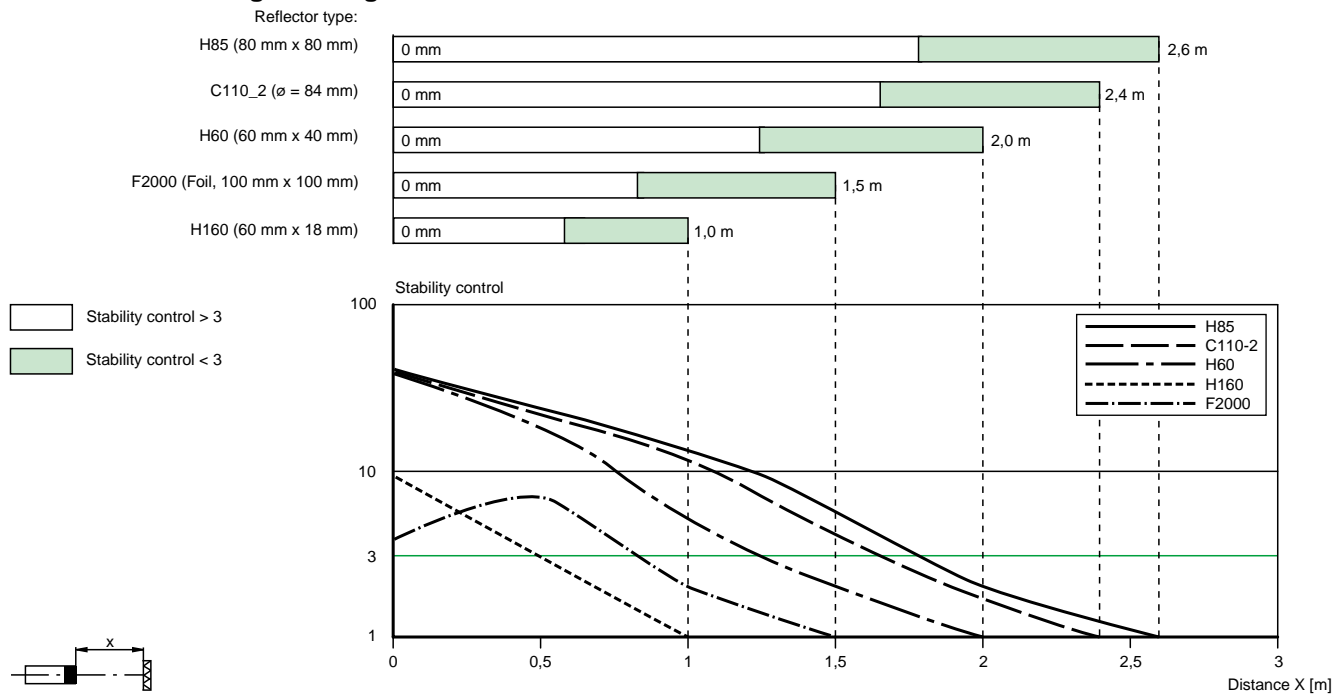
Characteristic response curve

GLV12-6

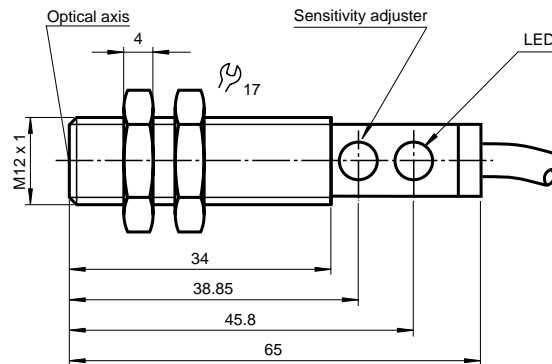


Relative received light strength

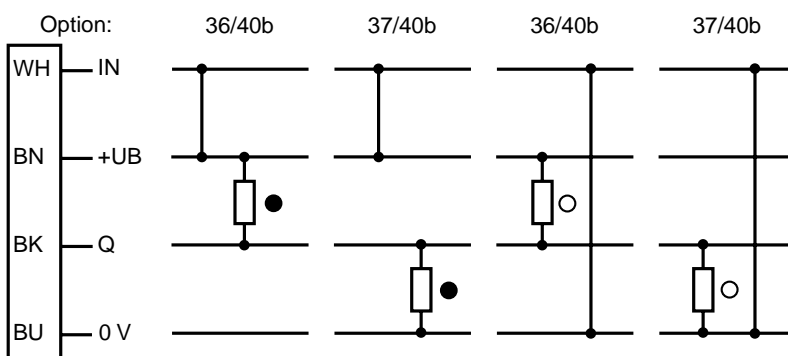
GLV12-6



Dimensions



Electrical Connection



○ = Light ON, ● = Dark ON