



**Model Number**

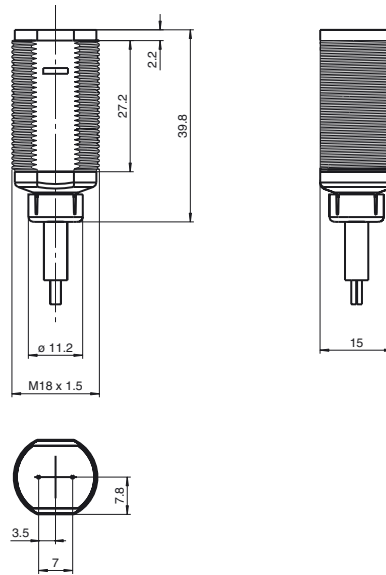
**GLV18-55/115/120**

Retro-reflective sensor with polarisation filter  
with 2 m fixed cable

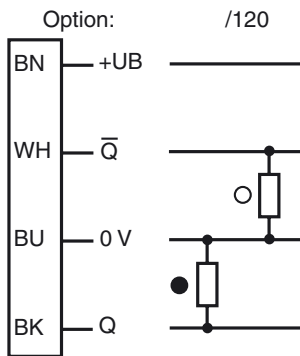
**Features**

- Short design in M18 plastic housing
- 4 LEDs indicator for 360° all-round visibility
- Optimised potentiometer design for a clear control button layout in the application
- Not sensitive to ambient light, even with switched energy saving lamps

**Dimensions**



**Electrical connection**



○ = Light on  
● = Dark on

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Suitable reflectors and cable sockets can be found in the Internet

## Technical data

### General specifications

Effective detection range	0 ... 6.5 m
Reflector distance	0.05 ... 6.5 m
Threshold detection range	9 m with reflector H85
Light source	LED, red 640 nm
Approvals	CE, cULus Listed 57M3 (Only in association with UL Class 2 power supply)
Reference target	H85-2 reflector
Light type	red, modulated light
Diameter of the light spot	approx. 200 mm at 5.5 m
Angle of divergence	approx. 2 °
Optical face	frontal
Ambient light limit	30000 Lux
Accessories provided	Mounting aids

### Indicators/operating means

Operating display	green LED, statically lit Power on
Function display	LED yellow: lights up, when receiving the light beam ; flashes when falling short of the stability control; OFF when light beam is interrupted

### Electrical specifications

Operating voltage	10 ... 30 V DC
Protection class	II, rated insulation voltage $\sim$ Ü 250 V AC with degree of pollution 1-2 according to IEC 60664-1
No-load supply current	$I_0$ < 20 mA

### Output

Switching type	light/dark switching
Signal output	2 pnp, antivalent, short-circuit proof, open collectors
Switching voltage	max. 30 V DC
Switching current	max. 100 mA
Voltage drop	$U_d \leq 1.5$ V DC
Switching frequency	$f$ 500 Hz
Response time	$\leq 1$ ms

### Standard conformity

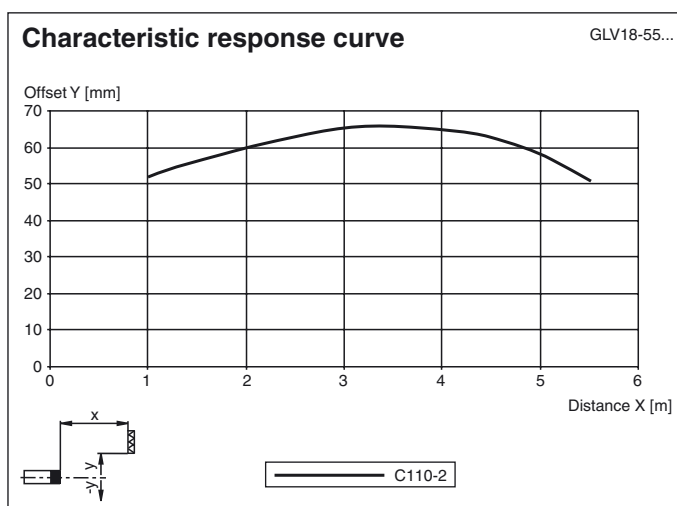
Standards	EN 60947-5-2
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### Ambient conditions

Ambient temperature	-25 ... 60 °C (248 ... 333 K)
Storage temperature	-40 ... 70 °C (233 ... 343 K)

### Mechanical specifications

Protection degree	IP67
Connection	fixed cable 2 m
Material	
Housing	PC
Optical face	PMMA
Mass	< 100 g



**Relative received light strength**

