

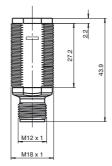








Dimensions







Model Number

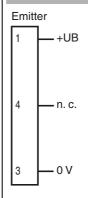
GD18/GV18/59/102/159

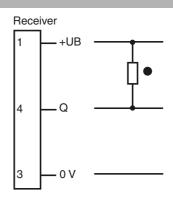
Thru-beam sensor Plastic connector M12 x 1, 3-pin

Features

- Short design in M18 plastic housing
- 4 LEDs indicator for 360° all-round visibility
- Optimal price/power ratio

Electrical connection





- O = Light on
- = Dark on

Pinning according



Additional accessories can be found in the Internet.

Technical data

General specifications

Effective detection range 0 ... 20 m
Threshold detection range 25 m

Light source LED, red 640 nm

Approvals CE, cULus Listed 57M3 (Only in association with UL Class 2 power supply)

Light type red, modulated light
Diameter of the light spot approx. 1300 mm at 25 m

Angle of divergence approx. 3 ° Optical face frontal
Ambient light limit 30000 Lux

Indicators/operating means

Operating display green LED, statically lit Power on

Function display Receiver: LED yellow, lights up when light beam is unblocked, 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 ¡Ü 250 V AC with degree of pollution 1-2 according to IEC 60664-1

No-load supply current $I_0 < 20 \text{ mA}$

Output

Switching type dark ON

Signal output 1 npn, short-circuit proof, open collector

Standard conformity

Standards EN 60947-5-2

Ambient conditions

Ambient temperature $-25 \dots 60 \,^{\circ}\text{C}$ (248 $\dots 333 \,^{\circ}\text{K}$) Storage temperature $-40 \dots 70 \,^{\circ}\text{C}$ (233 $\dots 343 \,^{\circ}\text{K}$)

Mechanical specifications

Protection degree IP67

Connection Plastic connector M12 x 1; 3-pin

Material

Housing PC
Optical face PMMA
Mass < 10 g

