

BRLK 29



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## Reflexion Light Barrier with terminal compartment BRLK 29

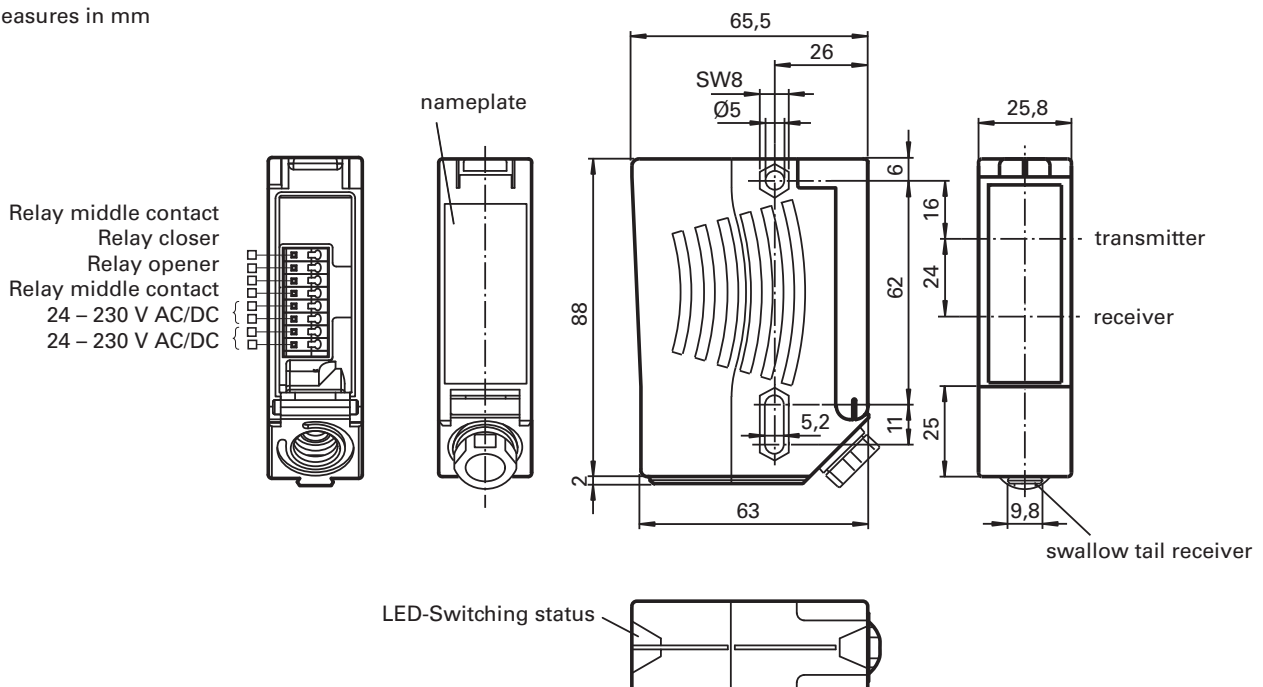
## Technical datas

## BRLK 29

<b>Range to reflector</b>	C110 / 12 m (14 m with reflector H85)
<b>Light transmitter</b>	LED
<b>Angle of beam</b>	± 1.5°
<b>Type of light</b>	red, varying light 640 nm
<b>Diameter of lightspot</b>	ca. 35 mm at a range of 12 m
<b>Ambient light limitation</b>	90000 Lux
<b>Standard conformity</b>	EN 60947-5-2
<b>Approvals</b>	CE, UL, CSA
<b>Function indication</b>	LED to the front lightning with free beam, flashing by remaining under of function reserve LED off at break of beam
<b>Operating voltage</b>	24-230 V AC/DC
<b>No-load current</b>	< 8.5 mA
<b>Current consumption</b>	0.2 W bei 24 V DC, 1.8 W bei 230 V AC
<b>Signal output</b>	Relay, 1 change-over contact
<b>Switching mode</b>	BRLK 29-55/25/116 Option /25 = light switching BRLK 29-55/59/116 Option /59 = dark switching
<b>Switching voltage</b>	230 V AC
<b>Switching current</b>	max. 2 A
<b>Switching frequency</b>	10 Hz
<b>Response time</b>	50 ms
<b>Environment temperature</b>	-30° C ... +60° C
<b>Storing temperature</b>	-30° C ... +60° C
<b>Protection class</b>	IP67
<b>Connection type</b>	terminal compartment
<b>Housing material</b>	plastic ABS
<b>Weight</b>	70 g

## Dimensions

Measures in mm



# BRLK 29 – Reflexion Light Barrier with terminal compartment

## Function / Settings / Installation

### A robust light barrier

The BRLK 29 is a reflexion light barrier with extremely low perturbing radiation and is predestined for very rough environment conditions. On principle no hightech light barriers are necessary for surveillance and automation applications at industrial doors, doors, escalators and lifts. A robust standard and reliability for a fair price are the aims. In today's world the electromagnetic compatibility also with light barriers belongs to the largest interference factors. With the new BRLK 29 Bircher Reglomat AG now offers a light barrier, which guarantees reliability with all conditions of environment.

### Benefits and advantages

- Safe interruption of the beam also with shining and reflecting objects.
- The BRLK 29 is easy and quickly to mount (only one mounting position)
- This light barrier is immune against sun and ambient light interferences, even with energy saving lamps.

### Housing

The housing of the BRLK 29 consists of black, glass fiber reinforced plastic (GF 17) and is conglutinated; the beam escape area is protected through a scratch resistant window.

### Switching output

#### Relay output

The BRLK 29 has a relay output with a changeover contact.

### Working voltage

The BRLK 29 has a Universal voltage from 24 – 230 V AC/DC. Sensors with this connection have a integrated power pack, which switches automatically to the needs voltage. Reverse battery and overvoltage protection is included.

### Mounting

Two through-holes in the housing are for the safe fixing with M5 screws.

The special design of the drilling enables a lateral as well as a front fixing with or without a mounting bracket. This enables a tip-of angle of 10° horizontal and vertical at the adjusting.

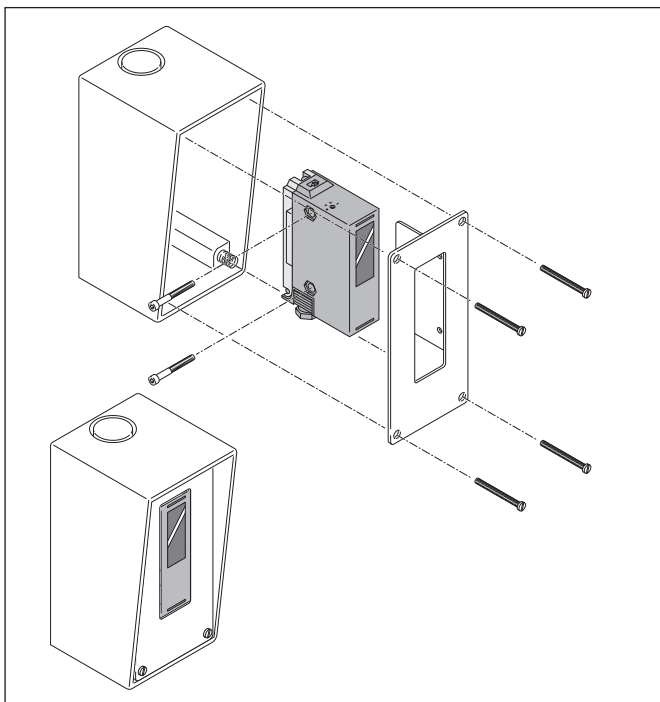
### Polarizing filter

This is an optical filter which only accepts polarized light of a plane of polarization.

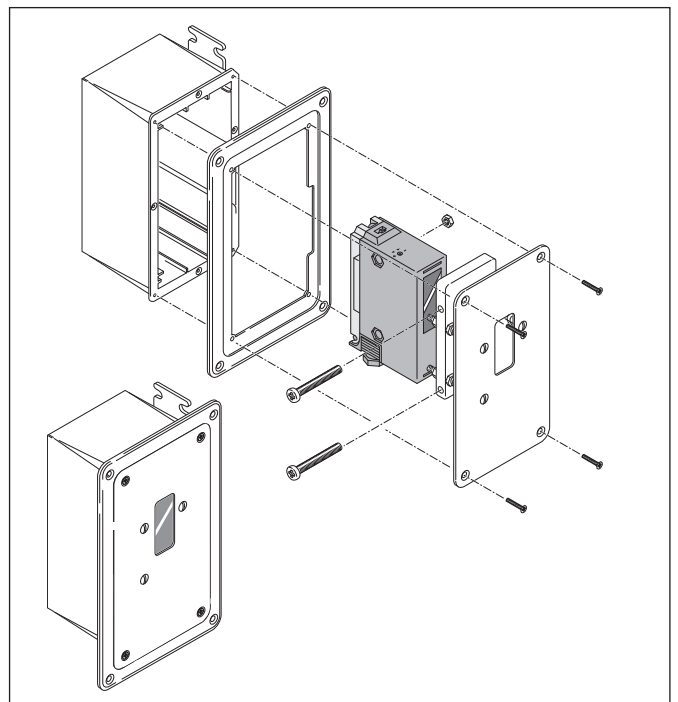
The tripel reflector of the BRLK 29 consists of a lot of small tripel mirrors, produced of plastic. It reflects the light (beam) to the incident direction. This opposite of a plane mirror where applies: angle of incidence = angle of reflection.

### Tripel reflector

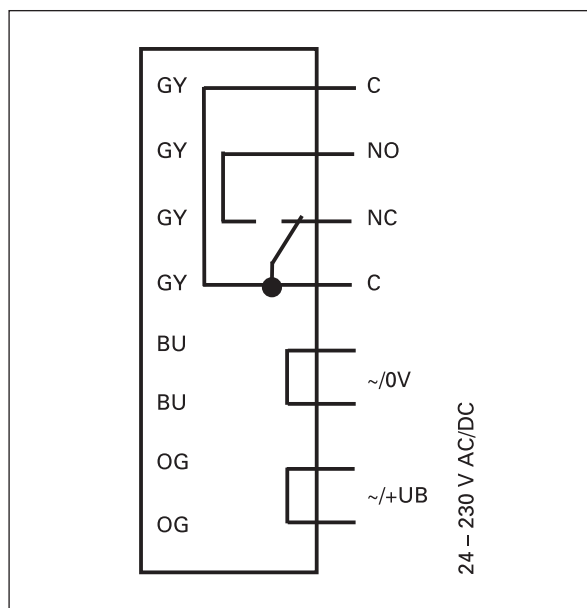
## AP housing complete



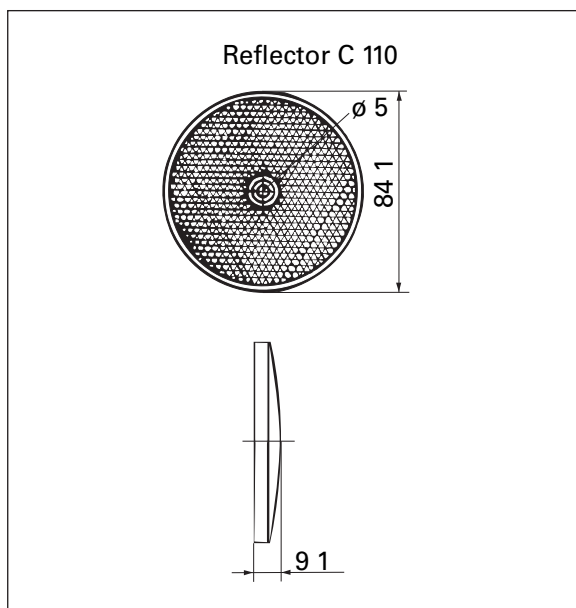
## UP housing KS / alu white



## Pin connection



## Reflector



## Ordering information

Article no.	Designation	Scope of delivery
F112 11610	BRLK 29 55/25/116 light switching	incl. Reflector C110
F112 11611	BRLK 29 55/59/116 dark switching	incl. Reflector C110
19007	AP housing complete	
19011	UP housing KS / alu white	

## Your contact

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