



**LED**

# Multicolour Light GH1 and GH1 with sounder

**optical/optical-acoustic signalling devices in LED-technology**

- ▶ 5 different signal colours in just one lamp
- ▶ 3 signalling modes (flash-, blinking-, permanent)
- ▶ Space-saving installation
- ▶ Extreme service life thanks to LED technology
- ▶ Low power consumption
- ▶ Version with integrated sounder

## Application

ActiveLine is designed to indicate various operating states of machines and systems. The possible signalling colours green, yellow, red, blue and white are all shown in one single light element.

Each colour can be preset to continuous light, blink light or flash light.

The light is generated by use of light-emitting diodes.

The model with sounder can also generate a penetrating signalling tone, with four adjustable sound levels.

## Construction

The plastic housing, the stable foot and the sounder housing are made of impact-resistant thermoplastic. The cap consists of impact-resistant polycarbonate, and the stand-tube is made of aluminium.

**Status indicator on a SMD pick and place automatic machine**

use even enable in damp rooms.



## Technical specifications

### General

#### Operating modes

Continuous light one colour	the colour is continuously on
more than one colour	990 ms turn-on time per colour
Blink light one colour	220 ms turn-on time, 275 ms turn-off time
more than one colour	blinks 2 times per colour
Flash light one colour	55 ms turn-on time, 440 ms turn-off time
more than one colour	flashes 4 times per colour

#### Remark:

The change of colour always takes place in the order green – yellow – red – blue – white

#### Enclosure

Foot bracket thermoplastic

Stand tube aluminium

Light element polycarbonate

Degree of protection IP 54 according to EN60529

Operating temperature -25°C...+60°C

Storage and transport temperature -40°C...+70°C

Clamping capacity of terminals 1.5 mm<sup>2</sup> single or stranded wire

Weight 0.3 kg

#### Versions with sounder

Sounder enclosure thermoplastic

Sound signal sweep tone

Frequency 2.8 kHz ... 3.4 kHz

Loudness level 75 dB(A) to appr. 105 dB(A) with 4 adjustable levels

#### Versions with AC voltage

Operating voltage 90 – 265 VAC, 50 ...60 Hz

Current consumption at 230 VAC

colour (white) on / sounder off < 50 mA

colour off / sounder on < 27 mA

colour (white) on / sounder on < 56 mA

Current consumption at 115 VAC

colour (white) on / sounder off < 75 mA

colour off / sounder on < 40 mA

colour (white) on / sounder on < 90 mA

Power consumption < 13 W

Insulation class II

Test signal:  
A connection line and terminal test can be conducted with the signal at terminal "LM". The voltage between the terminals "LM" and "N" is measured. Attention!  
Don't connect operating voltage to the "LM" terminal.

Connection line or terminal

not in order:

measured voltage 0 V or operating AC voltage without DC component

Connection line or terminal

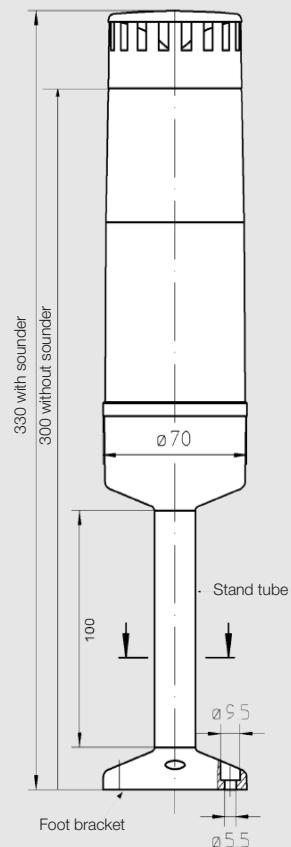
in order:

measured voltage operating AC voltage ( $\pm 20\%$ ) with DC component

## Dimensions

**Fig. 4**

[mm]



## Terminal occupation

Switch (as-shipped state)	Signalling tone		Colours						
	1	2	3	4	5	6	7	8	9
wh = white	bl = blue	rd = red	ye = yellow	gn = green					

Operating voltage with 90 - 265 V<sub>AC</sub>

## Order information

Type	Name	Rated Voltage U <sub>r</sub>	Equipment	Article no.
Activeline GH1	Multicolour Light	24 VDC Tolerance $\pm$ 20%	without Sounder	226 313 01
Activeline GH1	Multicolour Light	230 VAC (90-265 VAC)	without Sounder	226 307 01
Activeline GH1S	Multicolour Light	24 VDC Tolerance $\pm$ 20%	with Sounder	226 313 011 0
Activeline GH1S	Multicolour Light	230 VAC (90-265 VAC)	with Sounder	226 307 011 0

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