

Active line

LED



GH1



GH1 with sounder



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	thermoplastic
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 ² 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
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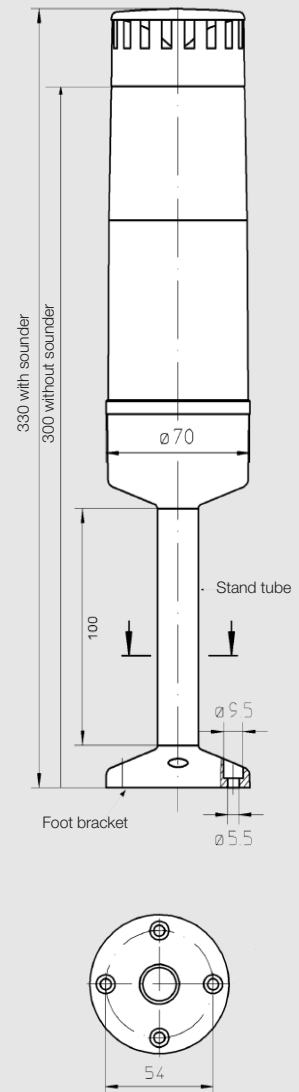
Connection line or terminal

in order:

measured voltage	operating AC voltage (±20 %) with DC component
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Dimensions

Fig. 4
[mm]



Versions with DC voltage

Operating voltage	24 VDC
Current consumption	
colour (white) on / sounder off	< 135 mA
colour off / sounder on	< 80 mA
colour (white) on / sounder on	< 190 mA

Power consumption at rated operating voltage < 4.6 W

Insulation class III

Test signal: A negative voltage (<24V) relative to terminal "GND" can be connected to terminal "LM".

Connected line in order the measured current correlates to a load of 10 kΩ

Connected line not in order
disconnection no current
short circuit the measured current correlates to a load of less than 2 kΩ

Terminal occupation

Switch (as-shipped state)	Signalling tone	Colours
1 2	1 2	3 4 5 6 7 8 9 10
	wh	bl rd ye gn
	wh = white	bl = blue rd = red ye = yellow gn = green
Operating voltage with 90 - 265 V _{AC}		

Order information

Type	Name	Rated Voltage U _e	Equipment	Article no.
Activeline GH1	Multicolour Light	24 VDC Tolerance ± 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 ± 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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