

Multicolour Light GH5 for zones 2 and 22

Optical signalling device with LED technology
for potentially explosive areas



Übersicht

The GH5 is a stationary device of group II, category 3. It is suitable for an application in areas which are infrequently and temporarily exposed to explosive atmosphere.

The GH5 Multicolor Light is suitable for universal use in zones 2 and 22. With its possible signalling colours red, amber, green, blue and white it is able to fulfill a wide range of signalling purposes.

The different colours are all shown in one single light element. Each colour can be preset to continuous light, blinking light or strobe light. The light is generated by use of light-emitting diodes.

The plastic housing and cap are made of impact-resistant polycarbonat. The cable is led into the housing through a cable entry M20 x 1.5. A metal bracket is provided for wall mounting.

Features

- 5 different signalling colours in just one lamp
- 3 signal modes (strobe light, blinking light, continuous light)
- Space-saving installation
- Extremely long life-cycle thanks to LED technology
- Low energy consumption
- Protection type: II 3 G Ex nR IICT6 Gc
II 3 D Ex tc IIIC T85°C Dc

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General arrangement drawing (all dimensions in mm)

Certification

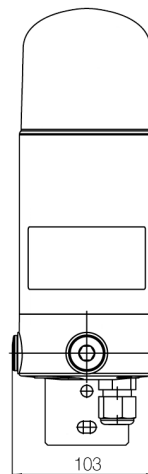
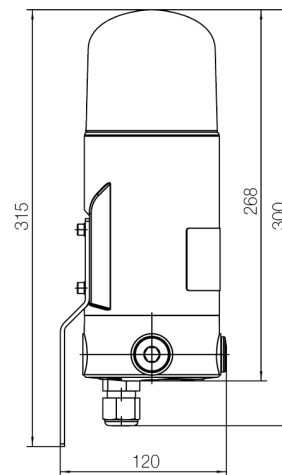
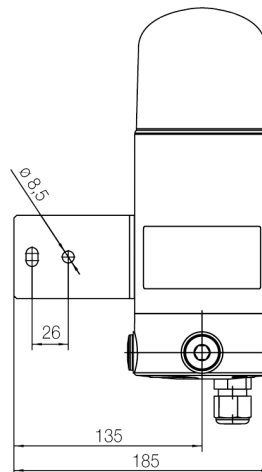
Protection type	II 3 G Ex nR IIC T6 Gc II 3 D Ex tc IIIC T85°C Dc
Approval	FHF 10 ATEX 0004 X

Specifications

Housing	Polycarbonat	
Cap	Polycarbonat	
Ingress protection	IP 66 according to EN 60529	
Connection terminals	Terminal capacity: 2.5 mm ²	
Connection cable	Ø 7 to 12 mm	
Cable gland	M20 x 1.5	
Operating modes	Continuous light one colour	the colour is permanently on
	multiple colours	990 ms switched on per colour
	Blinking light one colour	220 ms switched on, 275 ms switched off
	multiple colours	2 mal Blinken pro Farbe
Strobe light one colour	55 ms switched on, 440 ms switched off	
	multiple colours	4 flashes per colour

The colours always change in the sequence
green – amber – red – blue – white

Operating conditions	Indoors and outdoors
Operating position	Any
Temperature range	
Operation	-20 °C to +50 °C
Storage	-30 °C to +70 °C
Weight	Approx. 1.4 kg



	AC variants	DC variants
Operating voltage (voltage between colour connections and "N" connection)	230 VAC, 50 to 60 Hz	24 VDC
Tolerance		± 20 %
Current consumption colour (white) on	< 50 mA	< 135 mA
Power consumption	< 12 W	< 4 W
Protection class	II	II/III

Ordering data

Type	Designation	Input voltage	Current consumption	Art. No.*
ActiveLine GH2	Multicolour Light	24 VDC, tolerance ± 20 %	< 135 mA	FHF 226 313 05
ActiveLine GH2	Multicolour Light	230 VAC	< 50 mA	FHF 226 307 05