

Ex strobe light BDK 22

Robust optical signalling
device for indoor and outdoor
use in Zone 22



Overview

In especially noisy surroundings it is often necessary to use optical signals for warning and indicating purposes.

The BDK 22 Strobe Light emits clearly visible signals. The sturdy housing conforms with protection class IP 54 and allows for indoor and outdoor applications. The strobe light is available with different dome colours.

The modern electronics are mounted on a printed circuit board made of glass fibre reinforced epoxy resin. A powerful electronic flash tube highly efficiently transforms the electrical energy stored in the flash capacitor into light flashes.

The weather-proof coated aluminium die-cast housing is covered by a ribbed dome made of impact-resistant Plexiglas. The strobe light is equipped with a M20 cable gland for line diameters of 8-12 mm.

Features

- Protection class IP 54
- Compensation valve prevents condensation water
- Flash energy: 5 Joule
- CE II 3 DT85 °C IP 54
-20 °C ≤ Ta ≤ +50 °C

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Certifications

Protection type	CE II 3 D T85 °C IP 54 -20 °C ≤ Ta ≤ +50 °C
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Technical data

Housing	Seawater-resistant aluminium, surface with weatherproof varnish
Colour	Light grey
Cap	Plexiglas
Cap colour	Red, amber (other colours available on request)
Ingress protection	IP 54 according to EN 60529
Protection class	I
Cable glands	1x M20 for line diameters of 8-12 mm (second cable gland retrofittable)
Connection terminals	Terminal capacity: 2.5 mm ² single-wire 1.5 mm ² fine-wire
Flash energy	5 joule
Flash frequency	60/min
Operating conditions	Indoors or outdoors under protective roof
Operating position	Any (preferably with cable glands facing downwards)
Operating mode	Continuous operation
Temperature range	
Operation	-20 °C to +50 °C
Storage	-30 °C to +70 °C
Weight	Approx. 0.7 kg

Ordering data

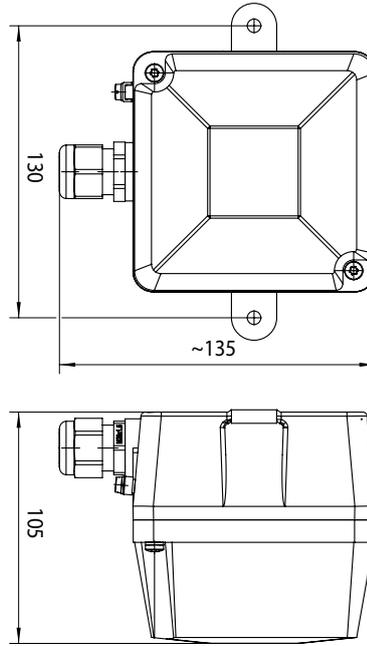
* The full article number is made up by appending the colour code to the article numbers given below.

Type	Designation	Input voltage	Tolerance	Current consumption	Si 5x20	Art. No.*
BDK 22	Strobe light	230 VAC, 50-60 Hz	-10/+6 %	0.07 A	T 2.0/250 H	FHF 224 712

red 02

amber 03

General arrangement drawing (All dimensions in mm)



Note: All specifications, dimensions, weights and tolerances are nominal (typical) and Eaton reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.