CROUSE-HINDS SERIES

Ex strobe light BZ2/BD22

Optical signalling device for zones 2 and 22



Overview

In potential explosive atmospheres it is often necessary to use optical signals for warning, indicating and signalling purposes. The Ex-Strobe light BZ2/BD22 offers these signalling options. The item is designed for continuous operation.

The BZ2/BD22 Strobe Light is activated by connecting the supply voltage. It may be delivered with different dome colours. The sturdy housing made of impactresistant polycarbonate is realized in protection class IP 66 and allows for indoor and outdoor applications. The dome consists of impact-resistant coloured polycarbonat.

A powerful xenon flash tube transforms the electrical energy stored in the flash capacitor into light flashes with a high degree of efficiency.

Features

- II 3 G Ex nR IIC T5 Gc
 II 3 D Ex tc IIIC T85 °C Dc
 -20 °C ≤ Ta ≤ +50 °C (bei 12 VDC/24 VDC)
- II 3 G Ex nR IIC T4 Gc
 II 3 D Ex tc IIIC T85 °C Dc
 -20 °C ≤ Ta ≤ +40 °C (bei 120 VAC/230 VAC)
- Ingress protection IP 66
- Flash energy 15 joule
- Protection class II

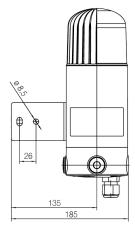


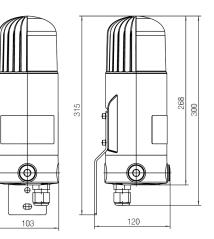
Cert	tifica	tion

Protection type	II 3 G Ex nR IIC T5/T4 Gc	
	II 3 D Ex tc IIIC T85°C Dc	

Specifications

specifications				
Housing	Impact-resistant polycarbonat			
Colour	Black			
Ingress protection	IP 66 according to EN 60529			
Protection class	II			
Cable glands	M20 x 1.5 with ATEX certification, 2 x blind plug M20 x 1.5			
Connection terminals	For line diameters up to 2.5 mm2			
Flash energy	15 joule			
Flash frequency	60/min			
Operating conditions	In dry or damp rooms and outdoors			
Operating position	Any			
Operating mode	Continuous operation			
Temperature range				
Operation	T5: -20 °C ≤Ta ≤ +50 °C (at 12 VDC/24 VDC) T4: -20°C ≤Ta ≤ +40°C (at 120 VAC/230 VAC)			
Storage	-30 °C to +80 °C			





Ordering data * The following code is designed to help in selection of the correct unit. Build up the reference

number by adding the respective colour code for each component from the box on the right.						
Designation	Input voltage	Tolerance	Current consumption	Art. No.*		
	230 VAC, 50-60	10/ 0.0/	0.40.4	EUE 004.050	transparent	01
Strobe light	Hz	-10/+6 %	0.13 A	FHF 224 952	red	02
Strobe light	120 VAC	-10/+6 %	0.45 A	FHF 224 956	orange	03
Strobe light	24 VDC	15-32 V	0.55 A	FHF 224 954	green	04
Strobe light	12 VDC	9-16 V	1.1 A	FHF 224 953	blue	05
	Designation Strobe light Strobe light Strobe light	DesignationInput voltageStrobe light230 VAC, 50-60 HzStrobe light120 VACStrobe light24 VDC	DesignationInput voltageToleranceStrobe light230 VAC, 50-60 Hz-10/+6 %Strobe light120 VAC-10/+6 %Strobe light24 VDC15-32 V	DesignationInput voltageToleranceCurrent consumptionStrobe light230 VAC, 50-60 Hz-10/+6 %0.13 AStrobe light120 VAC-10/+6 %0.45 AStrobe light24 VDC15-32 V0.55 A	Designation Input voltage Tolerance Current consumption Art. No.* Strobe light 230 VAC, 50-60 Hz -10/+6 % 0.13 A FHF 224 952 Strobe light 120 VAC -10/+6 % 0.45 A FHF 224 956 Strobe light 24 VDC 15-32 V 0.55 A FHF 224 954	DesignationInput voltageToleranceCurrent consumptionArt. No.*Strobe light230 VAC, 50-60 Hz-10/+6 %0.13 AFHF 224 952transparent redStrobe light120 VAC-10/+6 %0.45 AFHF 224 956orangeStrobe light24 VDC15-32 V0.55 AFHF 224 954green

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.



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