FLASHING ALARM LIGHTS 15 J
ABL/ABS

The powerful flashing light in a metal housing.

- Designed for alarm functions outdoors and in large halls and plants.
- Housing and fixing bracket made of sturdy anodised aluminium.
- Aggressive environmental conditions or driving rain cannot damage the light.
- Impact-proof lens.
- Ideally suited for tough industrial environments.
- Flash tube additionally secured by a steel clamp.

IP 54
protection system

+55 °C
–40 °C
operating temperature

EAC

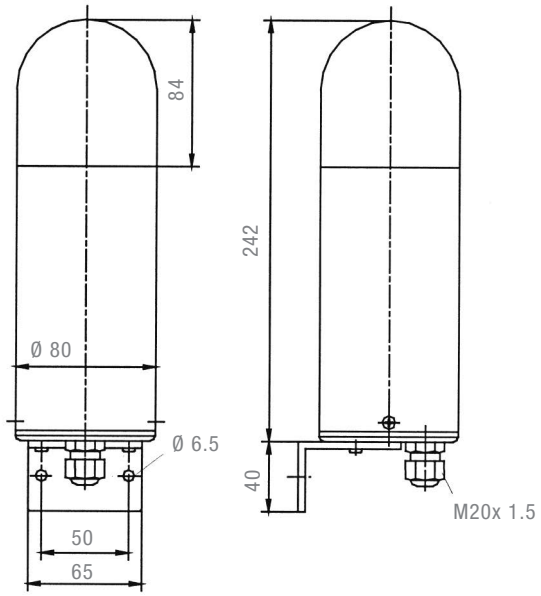
PRODUCT AC	ABL					
DATA						
Rated voltage	230 V AC 50 I 60 Hz	127 V AC 50 I 60 Hz	110 V AC 50 I 60 Hz	48 V AC 50 I 60 Hz	42 V AC 50 I 60 Hz	24 V AC 50 I 60 Hz
Operating range	185–255 V	108–140 V	95–127 V	40–54 V	35–50 V	20–30 V
Nominal current consumption	0.18 A	0.25 A	0.33 A	0.69 A	0.78 A	1.29 A

PRODUCT DC	ABS				
DATA					
Rated voltage	60 V DC	48 V DC	36 V DC	24 V DC	12 V DC
Operating range	50–72 V	40–60 V	29–43 V	18–30 V	10–15 V
Nominal current consumption	0.26 A	0.35 A	0.55 A	0.7 A	1.5 A

PRODUCT		ABL	ABS
Flash rate		1 Hz = 60 flashes/min	
Flash energy		15 J	
Light intensity (DIN 5037) [1]		226 cd	
Max. viewing distance		348 m	
Operating temperature		–40 °C ... +55 °C	
Storage temperature		–40 °C ... +70 °C	
Relative humidity		90 %	
Protection system (EN 60529)		IP 54 (vertical mounting)	
Duty cycle		100 %	
Service life of the light source		light emission still 70 % after 8,000,000 flashes	
Material	lens	polycarbonate (PC)	
	housing	aluminium (Al Mg Si 1), yellow anodised	
	base	polycarbonate (PC) with fibre glass	
Cable entry		M20x 1.5	
Connecting terminal		single wire 0.5–2.5 mm², fine wire 0.5–1.5 mm², with cable end sleeves DIN 46228/1	
Weight		650 g	800 g

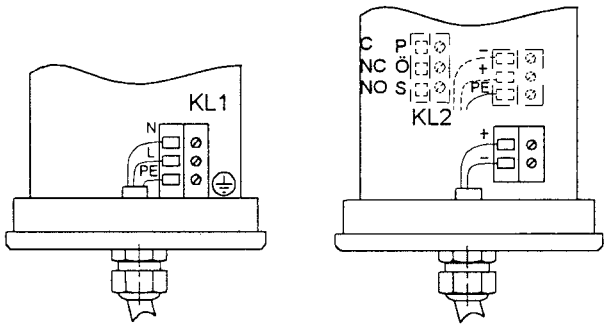
[1] with a clear lens

DIMENSIONS



CONNECTION DIAGRAM

ABL	ABS



ARTICLE NO.	ABL		ABS
LENS COLOUR	230 V AC	110 V AC	24 V DC
	21001103000	21001163000	21001803000
	21001104000	21001164000	21001804000
	21001105000	21001165000	21001805000

Article numbers for other colours and voltages on request.

CONFORMITY TO STANDARDS

The visual characteristics of flashing lights conform to the European standard DIN EN 842; **“Machine safety – visual alarm signals”.**
Requirements contained in the DIN EN 981 standard; **“Machine safety – system of acoustic and visual alarm and information signals”,** can be fulfilled.

The colours “red” for the emergency signal and “yellow” for the warning signal conform to the requirements of IEC 73 / DIN EN 60073 / VDE 0199; **“Coding of display devices and control elements using colours and supplementary means”.**

References to visual alarm devices can be found in the following standards:

EN 60825-1	Radiation safety of laser devices, identical to IEC 825 and DIN-VDE 0837
DIN EN 54	Fire alarm systems
DIN 54113-2	Radiation protection regulations for the technical operation of X-ray equipment up to 500 kV