

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.




protection
system



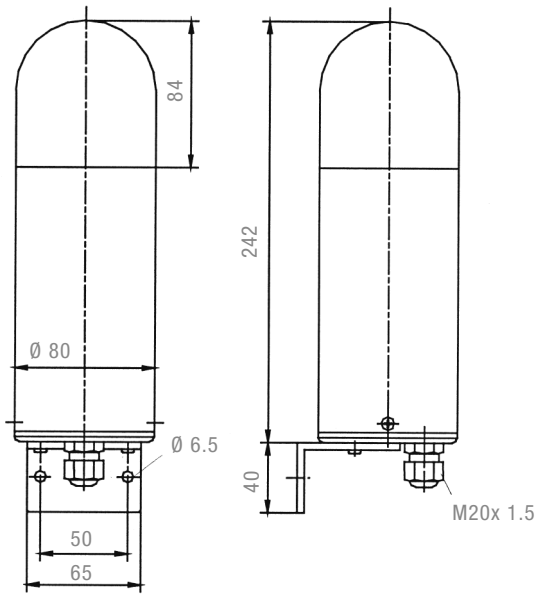
operating
temperature



PRODUCT		AC	ABL					
DATA								
Rated voltage			230 V	127 V	110 V	48 V	42 V	24 V
			AC 50 60 Hz	AC 50 60 Hz	AC 50 60 Hz	AC 50 60 Hz	AC 50 60 Hz	AC 50 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		

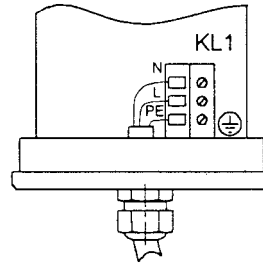
¹ with a clear lens

DIMENSIONS

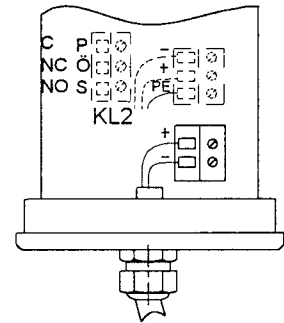


CONNECTION DIAGRAM

ABL



ABS



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

Article numbers for other colours and voltages on request.

OPTIONS/ACCESSORIES



Article no.
28710500042

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