FLASHING WARNING LIGHTS 5 J
WBL/WBS | WBL-PX



The classics of flashing lights.

- Sturdy metal housing.
- Universally usable.
- Also available with GL approval.
- Housing and fi xing 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

I lim t — WBL-PX

EAC

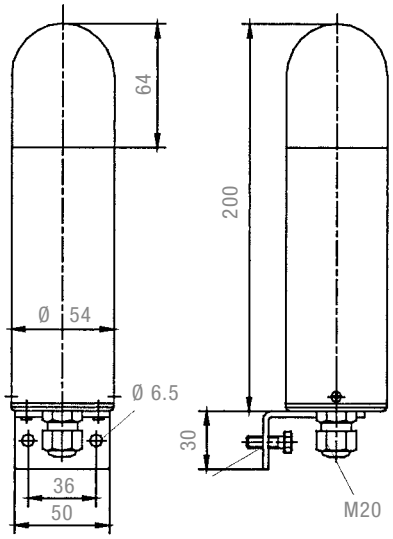
PRODUCT AC	WBL					WBL-PX
DATA						
Rated voltage	230 V AC 50 | 60 Hz	110 V AC 50 | 60 Hz	48 V AC 50 | 60 Hz	42 V AC 50 | 60 Hz	24 V AC 50 | 60 Hz	230 V AC 50 | 60 Hz
Operating range	185–255 V	90–135 V	40–54 V	35–50 V	20–30 V	185–255 V
Nominal current consumption	0.07 A	0.1 A	0.47 A	0.5 A	0.77 A	0.055 A
Initial current limited to						≤ 6 A / 110 µs

PRODUCT DC	WBS					
DATA						
Rated voltage	110 V DC	80 V DC	60 V DC	48 V DC	24 V DC	12 V DC
Operating range	88–132 V	64–96 V	50–72 V	40–60 V	18–35 V	10–15 V
Nominal current consumption	0.09 A	0.11 A	0.13 A	0.18 A	0.25 A	0.6 A

PRODUCT	WBL	WBS	WBL-PX
Flash rate	1 Hz = 60 flashes/min		
Flash energy	5 J		
Light intensity (DIN 5037) [1]	61 cd		
Max. viewing distance	181 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)		
Material – housing	aluminium (Al Mg Si 1), yellow anodised		
Material – 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	260 g	300 g	260 g

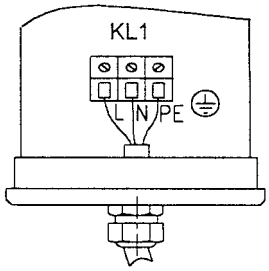
[1] with a clear lens

DIMENSIONS

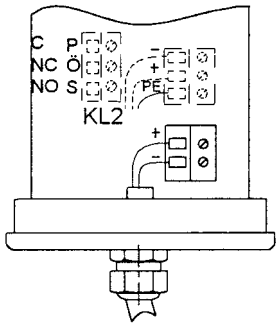


CONNECTION DIAGRAMS

WBL | WBL-PX



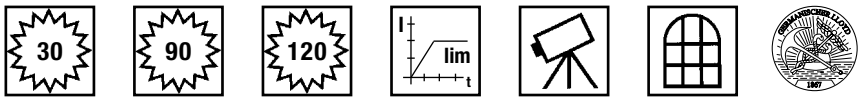
WBS



ARTICLE NO.	WBL		WBS	
LENS COLOUR	230 V AC	110 V AC	60 V DC	24 V DC
	21003103000	21003163000	21003 653000	21003803000
	21003104000	21003164000	21003 654000	21003804000
	21003105000	21003165000	21003 655000	21003805000
ARTICLE NO.	WBL-PX			
LENS COLOUR	230 V AC			
	21003103175			

Article numbers for other colours and voltages on request.

OPTIONS/ACCESSORIES



Article no.
28710500041

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