FLASHING WARNING LIGHTS 5 J WBL-M / WBS-M



IP 54



protection system



Flashing light with integrated flash monitoring and fault message contact.

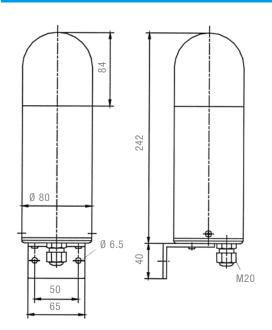
- For systems with safety-relevant applications, such as X-ray and laser equipment.
- Housing and fixing bracket made of sturdy anodised aluminium.
- Also available with GL approval.
- Ideally suited for tough industrial environments.
- Flash tube secured by additional steel clamp.
- Impact-proof lens.

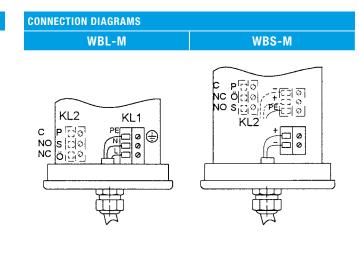
PRODUCT		WBL-M		WBS-M			
DATA							
Rated voltage		230 V	42 V	48 V	24 V	12 V	
		AC 50 60 Hz	AC 50 60 Hz	DC	DC	DC	
Operating range		185–242 V	37-47 V	40-57 V	18–35 V	10-15 V	
Nominal current consumption		0.07 A	0.5 A	0.18 W	0.25 A	0.6 A	
Failure indication	switching voltage	max. 250 V AC					
	switching current	max. 3 A					
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		−20 °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		700 g					

¹ with a clear lens



DIMENSIONS





ARTICLE NO.	WB	WBS-M	
LENS COLOUR	230 V AC	115 V AC	24 V DC
•	21003103 156	21003163 156	21003803 156
•	21003104 156	21003164 156	21003804 156
•	21003105 156	21003165 156	21003805 156

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