

Compact Flashing Light 5 Joules PY X-S-05



The compact flashing light is not only adaptable to many applications, but it is also impressive due to its safe and simple mounting

- installation options with external lugs or internal holes
- simple electrical connection on the bottom of the casing
- impact-proof lens
- suitable for panel mounting
- housing colours: red, grey or white
- optional with Soft-Start-Module for reduction of starting current



Range as per EN 54

IP 66

Protection system

+ 55 °C
- 40 °C

Operating temperature

EN 54-23

24 V DC, 48 V DC

VdS

24 V DC, 48 V DC

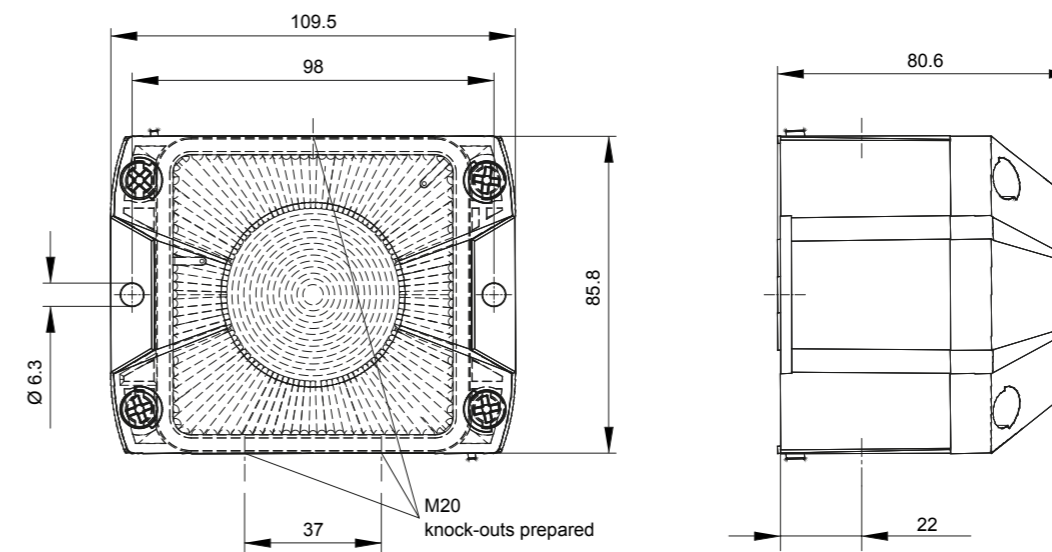
UL

Electrical data	PY X-S-05					
Rated voltage	230 V AC	115 V AC	24 V AC	48 V DC	24 V DC	12 V DC
Rated frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz			
Operating range	287 – 255 V	90 – 135 V	18 – 30 V	40 – 60 V	18 – 30 V	12 – 15 V
Nominal current consumption	55 mA	100 mA	800 mA	170 mA	300 mA	600 mA

Mechanical data	PY X-S-05
Flash rate	1 Hz = 60 flashes/min.
Flash energy	5 J
Light intensity (DIN 5037) ¹	44 cd
Lens colours	clear, white, yellow, amber, red, green, blue
Operating temperature	- 40 °C ... + 55 °C
Storage temperature	- 40 °C ... + 70 °C
Relative humidity	max. 90%
Protection system according to EN 60529	IP 66
Protection class	II
Duty cycle	100%
Service life of the flash tube	light emission still 70% after 8 000 000 flashes
Material	lens: polycarbonate (PC) housing: PC / ABS blend
Colour	housing: similar to RAL 3000 (flame red) / RAL 7035 (light grey) / RAL 9003 (signal white)
Cable entry	3 x M20 knock-outs on side, 1 knock-out on back
Integrated seal with cable entry	6 – 13 mm (feed-through grommet)
Connecting terminals	2.5 mm ² fine wire with cable end sleeve, AWG 16
Weight	AC: 165 g DC: 200 g

¹ with a clear lens

Dimensions



Ordering details

Article numbers		PY X-S-05 – housing red		
Lens colour	Rated voltage	230 V AC	115 V AC	24 V DC
yellow		215 10 10 3 000	215 10 15 3 000	215 10 80 3 000
amber		215 10 10 4 000	215 10 15 4 000	215 10 80 4 000
red		215 10 10 5 000	215 10 15 5 000	215 10 80 5 000
Article numbers		PY X-S-05 – housing grey		
Lens colour	Rated voltage	230 V AC	115 V AC	24 V DC
yellow		215 10 10 3 055	215 10 15 3 055	215 10 80 3 055
amber		215 10 10 4 055	215 10 15 4 055	215 10 80 4 055
red		215 10 10 5 055	215 10 15 5 055	215 10 80 5 055

Article numbers for other colours and voltages on request

Options / Accessories



GL

Enclosure fitting

Surface gasket

Tamper-proof sealing

Panel mounting kit



SSM (only for 24 V DC)

See page 119 for further information

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