

- ⚡ **High intensity LED technology**
- ⚡ **Available in five intense colours**
- ⚡ **6V and 12V models**
- ⚡ **Self flashing**
- ⚡ **Low power consumption**
- ⚡ **IP66**
- ⚡ **Easy mounting to host enclosure**



DESCRIPTION

The strobe type MFLA3 is a small explosion protected Ex ia LED based self-flashing strobe designed for general alarm annunciation applications in hazardous areas such as underground coalmines. These applications include visual warning alarms, visual pre-start alarms, out of range process alarms and enunciators.

The MFLA3 is completely encapsulated within the lens body providing improved ingress protection and impact resistance.

The strobe is available in the five colours red, green, yellow, blue and white. This allows the user to select a colour best suited for the application. The MFLA3 is primarily designed for low power underground applications but may also find application in above ground installations due to the significant brightness of the strobe.

The unit may be mounted on any free surface such as a sheet metal enclosure, using two M3 mounting studs. A gasket is supplied with the MFLA3 to provide IP66 ingress protection for the host enclosure.

The strobe is easy to mount as it only requires three small holes, two for mounting and one for the leads, in the host enclosure.

The MFLA3 is available in two supply voltage ranges, 4.0 to 7.88 volts for the MFLA3-06-xx and 8.0 to 12.6 volts for the MFLA3-12-xx.

Both variants of the MFLA3 have very low current consumption at 15mA for the MFLA3-06-xx and 12mA for the MFLA3-12-xx.

CERTIFICATION

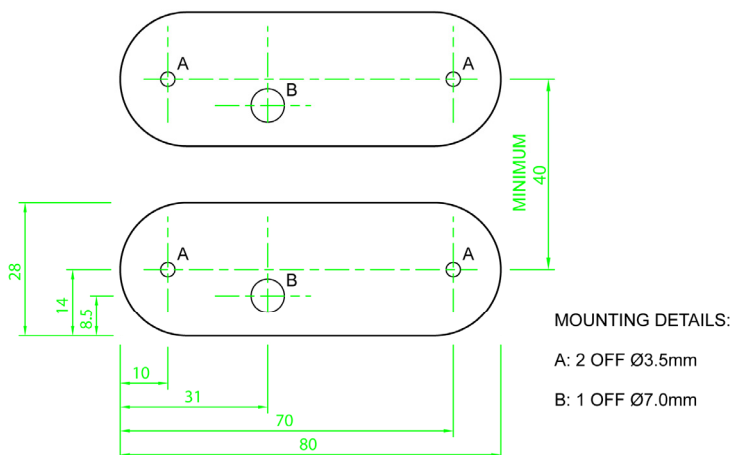
The Strobe type MFLA3-xx-xx is IECEx certified for use in group I hazardous areas under certificate IECEx ITA 08.0013X Ex ia I.

The Strobe type MFLA3-xx-xx is ANZEx certified for use in group I hazardous areas under certificate ANZEx ITACS 05.4006X Ex ia I.

SPECIFICATION

GENERAL	
Name	Strobe
Type	MFLA3-xx-xx
Colours	Red, yellow, white, green and blue
Operating voltage	4.0V – 7.88V MFLA3-06-xx 8.0V – 12.6V MFLA3-12-xx
Current	15mA MFLA3-06-xx 12mA MFLA3-12-xx
Flash rate	~ 1Hz
Luminous intensity	MFLA3-xx-RD >12,000mcd Red MFLA3-xx-YL >12,000mcd Yellow MFLA3-xx-WH >20,000mcd White MFLA3-xx-GN >18,000mcd Green MFLA3-xx-BL >5,400mcd Blue
Termination	Flying leads Orange-Black MFLA3-06-xx Red-Black MFLA3-12-xx
Lead length	400mm
Lead conductor CSA	0.75mm ² (24/0.2 strands)
Dimensions	42mm (H) x 78mm (L) x 38mm (W)
Mounting	2 off M3 studs supplied with plain nuts and internal star washers
Mounting centres	60mm
Maximum mounting panel thickness	5mm
Mounting ingress protection	IP66
Operating temperature	-10°C to +50°C
Mass	100g
Host enclosure minimum IP rating	IP55

MOUNTING DETAILS



MFLA3-06-xx PARAMETERS

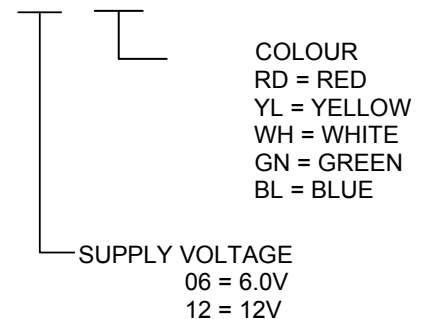
Ui	7.88V
li	2.5A
Li	0uH
Ci	11uF
Uo	0V

MFLA3-12-xx PARAMETERS

Ui	12.6V
li	2.5A
Li	0uH
Ci	0uF
Uo	0V

ORDERING DETAILS

MFLA3 – SS – CC



COLOUR	MFLA3-06-xx ORDER CODE	MFLA3-12-xx ORDER CODE
RED	STROB24A	STROB23A
YELLOW	STROB24B	STROB23B
WHITE	STROB24C	STROB23C
GREEN	STROB24D	STROB23D
BLUE	STROB24E	STROB23E