2-13-080 / Heavy industrial marine grade signals

MBX10 Xenon Strobe Beacon

The MBX10 is a 10 Joule Xenon strobe beacon featuring a robust, fire retardant, IP66 & IP67 Type 4/4X/13 enclosure; suitable for harsh environments.

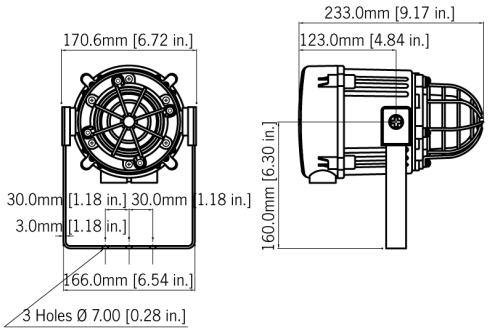
The 'M' series of products have been designed to withstand the harshest of environments. Constructed from lightweight, impact and fire resistant ABS, the range features stainless steel, ratchet adjustable mounting brackets and has been third party tested to IP66/67.

Features

- Ingress protection IP66/67 Type 4/4X/13
- Automatic synchronisation on multi-beacon systems
- Beacons can be set to 'flip-flop' alternating mode with other units on multi-beacon systems
- Xenon tubes mechanically secured against shock & vibration
- Glass lenses & 316 (A4) Stainless steel guard
- UV stable PC, field replaceable, colour lens filter
- Large termination area
- Dual M20 or 1/2"NPT cable entries – adaptors available
- Stopping plug included
- 316 (A4) Stainless steel mounting bracket
- Ratchet adjustable 'U' bracket for 360° positioning
- Duplicate cable terminations
- Reverse polarity diode fitted
- Continuously rated
- 380 cd effective candela light intensity
- 87,590 cd peak candela light intensity

Approvals

- EAC compliant: RU D-GB.GA05.B.12595-20
- Russian Maritime Register of Shipping
  Cert: No. 19.00193.278



Specification

Energy:	10 Joules (10Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	1,000,000 cd – calculated from energy (J)
Eff. Intensity cd:	500 cd – calculated from energy (J)
Peak Candela:	87,590 cd* – measured ref. to I.E.S.
Eff. Intensity cd:	380 cd* – measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	12vdc; 24vdc; 48vdc
Voltages AC:	115vac; 230vac
Ingress protection:	IP66/67 Type 4/4X/13
Enclosure material:	High impact UL94 V0 & 5VA FR ABS
Enclosure colour:	Grey (RAL7038) or Red (RAL3000
Dome material:	Borosilicate glass
Lens colour filter:	Field replaceable UV stable PC
Lens guard:	316 (A4) Stainless steel
Cable entries:	2 x M20; 1 x M20 & 1 × 1/2"NPT; 2 × 1/2"NPT supplied with blanking plug
Terminals:	0.5 – 2.5mm² (20-14 AWG)
Line monitoring:	Diode polarized for use in supervised circuits
Operating temp:	-40 to +66°C [-40° to +151°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	95% at 20°C [68°F]
MTBF DC:	253.68 years / 2,222,222 hours – MIL 217
MTBF AC:	279.79 years / 2,450, 980 hours – MIL 217
Weight:	1.48kg/3.25lbs

*Candela measurements representative of performance with clear lens at optimum voltage

Part Codes

Variable:	Identifier:	Description:
Product type:	MBX10	Xenon Strobe Beacon
Voltage:	AC115	115V ac 50/60Hz
	AC230	230V ac 50/60Hz
	DC012	12V dc (10-14V dc)
	DC024	24V dc (20-28Vdc)
	DC048	48V dc (42-54V dc)
Cable entries: [e]	A	M20x1.5 & ½" NPT
	B	M20x1.5 & M20x1.5 (Default)
	C	½" NPT & ½" NPT
Stopping plug material: [m]	N	Nylon
Bracket & Guard: [s]	1	316 (A4) Stainless Steel
	3	316 (A4) Stainless Steel with Equipment tag
Product version: [v]	A	CE, UKCA, EAC, RMRS
Product option: [o]	1	Standard product
	X	Custom configuration – contact E2S
	Z	Custom alarm tone software – contact E2S
Enclosure: [x]	G	Grey (RAL7038)
	R	Red (RAL3000)
Lens colour: [y]	A, B, C	Amber, Blue, Clear
	G, M, R, Y	Green, Magenta, Red, Yellow
Accessories:		
SP65-0001-A4	Pole Mount Bracket Kit 2" St/St 316 (A4)	
SP65-0003-A4	Sunshade – St/St 316 (A4)	

Current Consumption

Product Version:	Nominal Voltage:	Voltage Range:	Current Consumption:
DC012	12V dc	10-14V dc	1450mA
DC024	24V dc	20-28V dc	660mA
DC048	48Vdc	42-54V dc	340mA
AC115	115Vac	±10% 50/60Hz	250mA
AC230	230V ac	±10% 50/60Hz	110mA

No liability is accepted for any consequence of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.