GRP Explosion Proof Visual Signal 5 Joule
Series FX15

15567E00

- Suitable for offshore / onshore & harsh environments
- Corrosion resistant light weight GRP enclosure
- Stainless steel fixings and guard
- High ingress protection IP66 & IP67
- Extreme temperature range -55 ... +70 °C
- Flexible mounting options
- Light enhancing lens design

Yodalex range -
Flashing visual signal, GRP enclosure designed for use in hazardous and harsh environments.

	ATEX IECEx					
Zone	0	1	2	20	21	22
For use in		x	x		x	x

WebCode FX15A

Explosion Protection

Global (IECEx)

Gas and dust	IIB	IECEx BAS 13.0005X
	IIC	IECEx BAS 13.0003
	IIB, IIC	IEC 60079-0: 2011 / IEC 60079-1: 2007-04 / IEC 60079-31: 2008
	IIB	Ex d IIB T* Gb (Ta = -60 … +** °C) Ex tb IIIC T***°C Db IP 66 (Ta = -60 … +** °C)
	IIC	Ex d IIC T* Gb (Ta = -60 … +** °C) Ex tb IIIC T***°C Db IP 66 (Ta = -60 … +** °C)

* temperature class on the table

Europe (ATEX)

Gas and dust	IIB	Baseefa13ATEX0007X
	IIC	Baseefa13ATEX0006
	IIB, IIC	EN 60079-0: 2012 / EN 60079-1: 2007 / EN 60079-31: 2009
	IIB	Ⓔx II 2 G Ex d IIB T* Gb (Ta = -60 … +** °C) Ⓔx II 2 D Ex tb IIIC T***°C Db IP 66 (Ta = -60 … +** °C)
	IIC	Ⓔx II 2 G Ex d IIC T* Gb (Ta = -60 … +** °C) Ⓔx II 2 D Ex tb IIIC T***°C Db IP 66 (Ta = -60 … +** °C)

* temperature class on the table

Product variant table

Power and voltage	Temperature class	Max. surface temperature	Ambient temperature range
5 J 24 V DC	T6	T73 °C	-60 … +40 °C
	T5	T88 °C	-60 … +55 °C
	T4	T103 °C	-60 … +70 °C
5 J 48 V DC	T6	T73 °C	-60 … +40 °C
	T5	T88 °C	-60 … +55 °C
	T4	T103 °C	-60 … +70 °C
5 J 115 V AC	T5	T83 °C	-60 … +40 °C
	T4	T113 °C	-60 … +55 °C
5 J 230 V AC	T6	T75 °C	-60 … +40 °C
	T5	T90 °C	-60 … +55 °C
	T4	T105 °C	-60 … +70 °C

Technical Data

Electrical data

Rated operational voltage	24 V DC, 48 V DC, 115 V AC and 230 V AC operational parameters + or -10 %	
Rated operational current	24 V DC	300 mA
	48 V DC	185 mA
	115 V AC	140 mA
	230 V AC	75 mA
Start-up current	24 V DC	500 mA
	48 V DC	250 mA
	115 V AC	900 mA
	230 V AC	100 mA

Luminous Characteristics

Effective candela	49 cd Clear lens
Candela seconds	9.96 cds
Flash energy	5 J
Flash rate	1 per second

Operating temperature range

24 & 48 V DC -50 ... +70 °C
115 V AC -55 ... +55 °C
230 V AC -55 ... +70 °C

Mechanical data

Material	
Enclosure	GRP
Lens cover	polycarbonate
Wire guard	stainless steel
Degree of protection	IP66 & IP67 IEC 60529
Cable entries	3 x M20, product supplied with 3 x dust cover
Weight	2.4 kg

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Clifford &Snell

STAHL

Selection table

Version	Group	Rated operational voltage	Lens colour	Order number	Art. no.	Weight kg
ATEX & IECEx standard variants	IIC	24 V DC	red	**FX15/C-D-050-R-EN-SF-A**	**217971**	2.230
			amber	**FX15/C-D-050-A-EN-SF-A**	**217979**	2.230
			clear	**FX15/C-D-050-C-EN-SF-A**	**217989**	2.230
		115 V AC	red	**FX15/C-L-050-R-EN-SF-A**	**217973**	2.250
			amber	**FX15/C-L-050-A-EN-SF-A**	**217981**	2.250
			clear	**FX15/C-L-050-C-EN-SF-A**	**217983**	2.250
		230 V AC	red	**FX15/C-N-050-R-EN-SF-A**	**217974**	2.250
			amber	**FX15/C-N-050-A-EN-SF-A**	**217982**	2.250
			clear	**FX15/C-N-050-C-EN-SF-A**	**217995**	2.250
Note	FX15 Beacons are supplied without a bracket. These must be ordered separately (see accessories table).					

Type Code

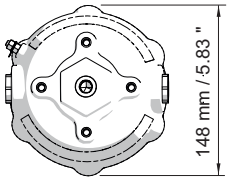
Variant	Option	Code	**FX15 / C - . - 050 - . - EN - .. - A - ..**
Gas group	IIC	C	
Supply voltage	24 V DC	D	
	48 V DC	F	
	115 V AC	L	
	230 V AC	N	
Light output	5 Joule	050	
Lens colour	Red	R	
	Amber	A	
	Clear	C	
	Blue	B	
	Green	G	
	Yellow	Y	
	Magenta	M	
	Opal	O	
Certification	ATEX & IECEx	EN	
Body colour	Standard black	SF	
	Red	RN	
	Yellow	YE	
	Blue	BL	
Cable entries	3 x M20	A	
Optional extras	Telephone initiate	TI	
	Duty label	D	
	Tag label	TL	
	Local Approval	L	

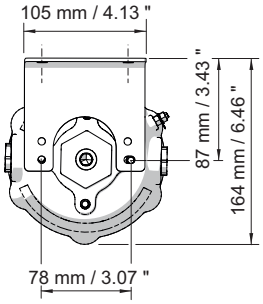
E5

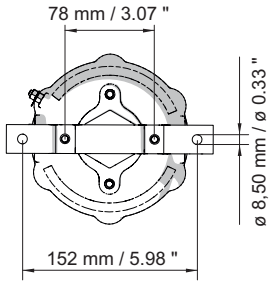
Accessories and Spare Parts

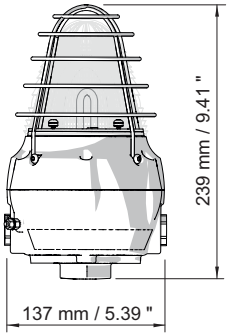
Designation	Figure	Description	Art. no.	WebCode
Mounting brackets	 15795E00	Stainless steel L-bracket - see dimensional drawings	**221711**	– –
	 15794E00	Stainless steel backstrap mounting bracket - see dimensional drawings	**221712**	– –
Cable glands	 14976E00	Compound barrier cable glands Ex d and Ex e for all types of unarmoured cables Group IIB + H2 and IIC	**138888**	8163J
	 14742E00	Compound barrier cable glands Ex d and Ex e for all types of armoured cables Group IIB + H2 and IIC	**138875**	8163I
Xenon tube	 15798E00	Xenon tube assembly	**223636**	– –
PCB	 15786E00	PCB assembly 24 V DC 5J	**223635**	– –
		PCB assembly 48 V DC 5J	**223634**	– –
		PCB assembly 110 V AC 5J	**223632**	– –
		PCB assembly 230 V AC 5J	**223580**	– –
PCB termination	 15785E00	PCB assembly termination	**223579**	– –
Flange	 15796E00	Flange assembly standard - specify lens colour acc. to type code	**223578**	– –

Dimensional Drawings (All Dimensions in mm / inches) - Subject to Alterations



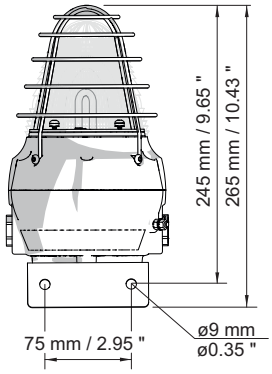






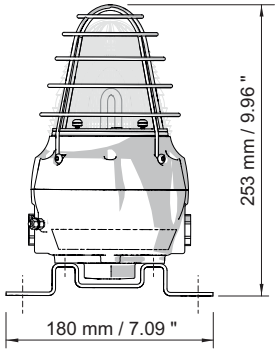
15739E00

FX15 Beacon



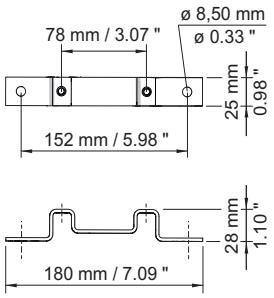
15738E00

FX15 Beacon with 'L' bracket



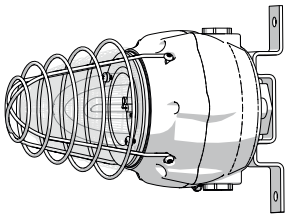
15737E00

FX15 Beacon with backstrap bracket

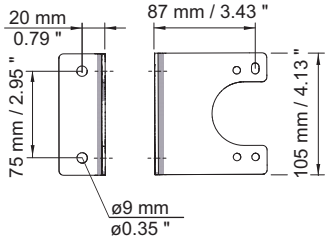


15743E00

Backstrap bracket

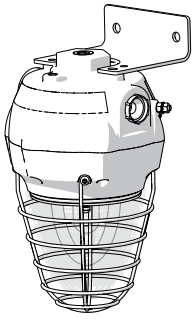


15763E00



15742E00

L-shaped bracket



15762E00

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