



- Lamp: Flashing beacon – XENON (5 J)
- Type of protection: Ex d
- Class: IP66/IP67 (IEC 60529/NEMA 4X)
- Corrosion-resistant GRP enclosure
- Stainless steel protection cage and mounting bracket included
- 8 light-intensifying Fresnel lens colours available to order
- Telephone system connection/line monitoring optionally available to order

E5

WebCode **FL6SA**



Product series FL6S is designed to provide a visual alarm which can be used to alert, warn or draw attention to machine malfunction/start up or any number of safety related issues. Corrosion resistance is a key feature of the device which is ideally suited for applications in the harshest of environments both onshore and offshore.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table				
Rated operational voltage AC		115 V		
Lens colour	Product Type	Art. No.	Weight kg	
Clear	FL6S/C-L-050-C-EN-SF-A-ST-00-00-00	225162	3.040	
Red	FL6S/C-L-050-R-EN-SF-A-ST-00-00-00	225165	3.040	
Yellow	FL6S/C-L-050-Y-EN-SF-A-ST-00-00-00	225164	3.040	
Rated operational voltage AC		230 V		
Lens colour	Product Type	Art. No.	Weight kg	
Amber	FL6S/C-N-050-A-EN-SF-A-ST-00-00-00	225174	3.040	
Clear	FL6S/C-N-050-C-EN-SF-A-ST-00-00-00	225170	3.040	
Green	FL6S/C-N-050-G-EN-SF-A-ST-00-00-00	225176	3.040	
Red	FL6S/C-N-050-R-EN-SF-A-ST-00-00-00	225173	3.040	
Yellow	FL6S/C-N-050-Y-EN-SF-A-ST-00-00-00	225172	3.040	
Rated operational voltage DC		24 V		
Lens colour	Product Type	Art. No.	Weight kg	
Amber	FL6S/C-D-050-A-EN-SF-A-ST-00-00-00	225150	3.040	
Blue	FL6S/C-D-050-B-EN-SF-A-ST-00-00-00	225151	3.040	
Clear	FL6S/C-D-050-C-EN-SF-A-ST-00-00-00	225146	3.040	
Green	FL6S/C-D-050-G-EN-SF-A-ST-00-00-00	225152	3.040	
Magenta	FL6S/C-D-050-M-EN-SF-A-ST-00-00-00	225153	3.040	
Opal	FL6S/C-D-050-O-EN-SF-A-ST-00-00-00	225147	3.040	

Selection Table				
Rated operational voltage DC	24 V			
Lens colour	Product Type	Art. No.	Weight kg	
Red	FL6S/C-D-050-R-EN-SF-A-ST-00-00-00	225149	3.040	
Yellow	FL6S/C-D-050-Y-EN-SF-A-ST-00-00-00	225148	3.040	
Rated operational voltage DC	48 V			
Lens colour	Product Type	Art. No.	Weight kg	
Amber	FL6S/C-F-050-A-EN-SF-A-ST-00-00-00	225158	3.040	
Clear	FL6S/C-F-050-C-EN-SF-A-ST-00-00-00	225154	3.040	
Red	FL6S/C-F-050-R-EN-SF-A-ST-00-00-00	225157	3.040	

Further variations in gas group, flash energy, voltage and lens colour are available, please use the selection table on the internet at r-stahl.com. WebCode FL6SA

Technical Data				
Variant	115 V	230 V	24 V	48 V
Explosion Protection				
Ambient temperature °C	-60 ... +40 °C	-60 ... +40 °C	-60 ... +40 °C	-60 ... +40 °C
IECEX gas explosion protection	Ex d IIC T5/T4 Gb	Ex d IIC T6/T5/T4 Gb	Ex d IIC T6/T5/T4 Gb	Ex d IIC T6/T5/T4 Gb
IECEX dust explosion protection	Ex tb IIIC T83 °C ... T113 °C Db	Ex tb IIIC T75 °C ... T90 °C ... T105 °C Db	Ex tb IIIC T73 °C ... T88 °C ... T103 °C Db	Ex tb IIIC T73 °C ... T88 °C ... T103 °C Db
ATEX gas explosion protection	⊕ II 2 G Ex d IIC T5/T4 Gb	⊕ II 2 G Ex d IIC T6/T5/T4 Gb	⊕ II 2 G Ex d IIC T6/T5/T4 Gb	⊕ II 2 G Ex d IIC T6/T5/T4 Gb
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T83 °C ... T113 °C Db	⊕ II 2 D Ex tb IIIC T75 °C ... T90 °C ... T105 °C Db	⊕ II 2 D Ex tb IIIC T73 °C ... T88 °C ... T103 °C Db	⊕ II 2 D Ex tb IIIC T73 °C ... T88 °C ... T103 °C Db
Ambient temperature °C 2	-60 ... +55 °C	-60 ... +55 °C	-60 ... +55 °C	-60 ... +55 °C
IECEX gas explosion protection	Ex d IIC T4 Gb	Ex d IIC T5 Gb	Ex d IIC T5 Gb	Ex d IIC T5 Gb
IECEX dust explosion protection 2	Ex tb IIIC T113 °C Db	Ex tb IIIC T90 °C Db	Ex tb IIIC T88 °C Db	Ex tb IIIC T88 °C Db
ATEX gas explosion protection	⊕ II 2 G Ex d IIC T4 Gb	⊕ II 2 G Ex d IIC T5 Gb	⊕ II 2 G Ex d IIC T5 Gb	⊕ II 2 G Ex d IIC T5 Gb
ATEX dust explosion protection 2	⊕ II 2 D Ex tb IIIC T113 °C Db	⊕ II 2 D Ex tb IIIC T90 °C Db	⊕ II 2 D Ex tb IIIC T88 °C Db	⊕ II 2 D Ex tb IIIC T88 °C Db
Certificates	ATEX (BAS), IECEX (BAS)	ATEX (BAS), IECEX (BAS)	ATEX (BAS), IECEX (BAS)	ATEX (BAS), IECEX (BAS)
Electrical Data				
Line monitoring	Yes	Yes	Yes	Yes
Tolerance	-10 – 10 %	-10 – 10 %	-10 – 10 %	-10 – 10 %
Lighting Data				
Lamp	Xenon flash tubes	Xenon flash tubes	Xenon flash tubes	Xenon flash tubes
Flash energy	5 J	5 J	5 J	5 J
Flash rate	1 Hz	1 Hz	1 Hz	1 Hz
Mechanical Data				
Degree of protection IP (IEC 60529)	IP66/IP67	IP66/IP67	IP66/IP67	IP66/IP67
Protection class	II / Equipotential bonding connection	II / Equipotential bonding connection	II / Equipotential bonding connection	II / Equipotential bonding connection
Enclosure material	Polyester (GRP), Glass fibre reinforced	Polyester (GRP), Glass fibre reinforced	Polyester (GRP), Glass fibre reinforced	Polyester (GRP), Glass fibre reinforced
Sealing material	Red silicone 70	Red silicone 70	Red silicone 70	Red silicone 70
Material dome	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic
Material wire guard	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connection terminals solid max.	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²
Connection terminals finely-stranded max.	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²
Enclosure colour	Black	Black	Black	Black
Seal	O-ring seal	O-ring seal	O-ring seal	O-ring seal
Mounting / Installation				
Material mounting parts	Stainless steel	Stainless steel	Stainless steel	Stainless steel

Technical Data				
Variant	115 V	230 V	24 V	48 V
Components				
Drilled holes	2 x M20	2 x M20	2 x M20	2 x M20
Cable entries	Can be ordered as accessories	Can be ordered as accessories	Can be ordered as accessories	Can be ordered as accessories
Stopping plug	2 x dust cap	2 x dust cap	2 x dust cap	2 x dust cap

You can find more technical data online at r-stahl.com. WebCode FL6SA

Spare Parts				
Figure	Description	Art. No.	Weight kg	
PCB				
	PCB assembly 110 V AC 5J, for 5 Joule Xenon flashing beacons	223632	0.118	
	PCB assembly 230 V AC 5J, for 5 Joule Xenon flashing beacons	223580	0.100	
	PCB assembly 24 V DC 5J, for 5 Joule Xenon flashing beacons	223635	0.080	
	PCB assembly termination, for 5 Joule Xenon beacon only	223579	0.020	
Xenon tube				
	Replacement xenon tube assembly	223636	0.006	

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

