



- Ex d enclosure made from seawater-resistant aluminium
- 5 Joule xenon strobe
- Lens available in seven different colours
- Stainless steel fixings
- Flash rate 1 Hz
- Lens guard and mounting bracket supplied as standard
- NEMA 4X / IP66 rated
- Telephone initiate option available
- SIL 1 IEC61508-2:2010

12

WebCode **FL60B**


Yodalex range

Product Series FL60 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 in hazardous areas. Visual signal designed for use in hazardous or harsh environments.

	NEC® 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface						
Installation in	•	•	•	•	•	

	CEC Section 18 NEC® 505 NEC® 506					
	Class I					
Zone	0	1	2	20	21	22
Ex interface						
Installation in		•	•		•	•

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

Selection Table							
Certificates Flash energy		ATEX (BAS), Canada / USA (UL), IECEX (BAS) 5 J					
Rated operational voltage AC	Rated operational voltage DC	Nominal current at AC	Nominal current at DC	Lens colour	Product Type	Art. No.	Weight lb
115 V	–	0.09 A	–	Amber	FL60/B/L50/A/UL	205163	11.2
		0.09 A	–	Blue	FL60/B/L50/B/UL	205164	11.2
		0.09 A	–	Clear	FL60/B/L50/C/UL	261246	11.2
		0.09 A	–	Green	FL60/B/L50/G/UL	269204	11.2
		0.09 A	–	Red	FL60/B/L50/R/UL	205165	11.2
230 V	–	0.045 A	–	Amber	FL60/B/N50/A/UL	212367	11.2
		0.045 A	–	Red	FL60/B/N50/R/UL	211406	11.2
–	24 V	–	0.22 A	Amber	FL60/B/D50/A/UL	205156	11.2
		–	0.22 A	Blue	FL60/B/D50/B/UL	205368	11.2
		–	0.22 A	Clear	FL60/B/D50/C/UL	205159	11.2
		–	0.22 A	Red	FL60/B/D50/R/UL	205160	11.2
		–	0.22 A	Yellow	FL60/B/D50/Y/UL	205369	11.2

Further variations in gas group, flash energy, voltage and lens colour are available, please use the selection table on the internet. WebCode FL60B
The tone table can be found online at r-stahl.com.

Technical Data

Explosion Protection

Certificate cUL	UL E188831
Certificate ULus	UL E188831
Marking ULus	Class I, Division 1, Groups B,C,D; Division 2, Groups B,C,D Class II, Groups E,F,G Class III Class I, Zone 1 AEx d IIB + H ₂ and Ex d IIB + H ₂
Marking cUL	Class I, Division 1, Groups B,C,D; Division 2, Groups B,C,D Class II, Groups E,F,G Class III Class I, Zone 1 Ex d IIB + H ₂
IECEx gas explosion protection	Ex d IIB+H ₂ T4 Gb
IECEx dust explosion protection	Ex tb IIIC T135 °C Db

Ambient Conditions

Ambient temperature °F	-4°F ... +140°F
Ambient temperature °C	-20 °C ... +60 °C
Notes	The operating temperature is different based by the UL and IECEx certificate

Lighting Data

Lamp	Xenon flash tubes
Flash rate	1 Hz

Mechanical Data

Degree of protection (NEC UL 50)	NEMA 4X
Degree of protection IP (IEC 60529)	IP66
Protection class	I (PE connection) (Internal + external)
Enclosure material	Aluminum, powder-coated, Seawater-resistant
Material glas dome	Polycarbonate
Material wire guard	Stainless steel
Connection terminals solid AWG max.	AWG 14
Connection terminals solid max.	2.5 mm ²
Connection terminals finely-stranded AWG max.	AWG 14
Connection terminals finely-stranded max.	2.5 mm ²
Enclosure colour	Red (RAL 3001)

Mounting / Installation

Connection type	Screw terminal
Material mounting parts	Sheet steel, powder-coated

Components

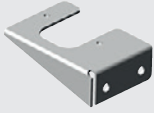
Drilled holes	2 x M20
Cable entries	Can be ordered as accessories
Stopping plug	1 x 1/2" NPT 1 x dust cap 2 x adapters M20x1/2"NPT
Stopping plug material	Brass

You can find more technical data online at r-stahl.com. WebCode FL60B

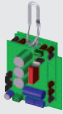
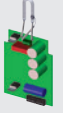
Accessories

Figure	Description	Art. No.	Weight lb
	Stainless steel bracket fixing kit accessories	210794	0.88

Accessories

Figure	Description	Art. No.	Weight lb
Mounting bracket			
	material: stainless steel	262014	0.64
Sun shield			
	material: stainless steel	262012	0.4

Spare Parts

Figure	Description	Product Type	Art. No.	Weight lb
Moulding-lens				
	clear	-	209402	0.15
	red	-	209405	0.15
	yellow	-	209406	0.15
	amber	-	209400	0.15
	blue	-	209401	0.15
	green	-	209403	0.15
Emergency light flange				
	amber UL spare	-	209421	2.38
	blue UL spare	-	209422	2.38
	clear UL spare	-	209423	2.38
	green UL spare	-	209424	2.38
	red UL spare	-	209426	2.38
	yellow UL spare	-	209427	2.38
Replacement PCB assembly				
	115 ... 230 V AC / 5 J	FL60	209503	0.22
	24 V DC / 5 J	FL60	222971	0.21

Sheet steel mounting bracket supplied as standard.
Approvals of the cable entries must be observed.

