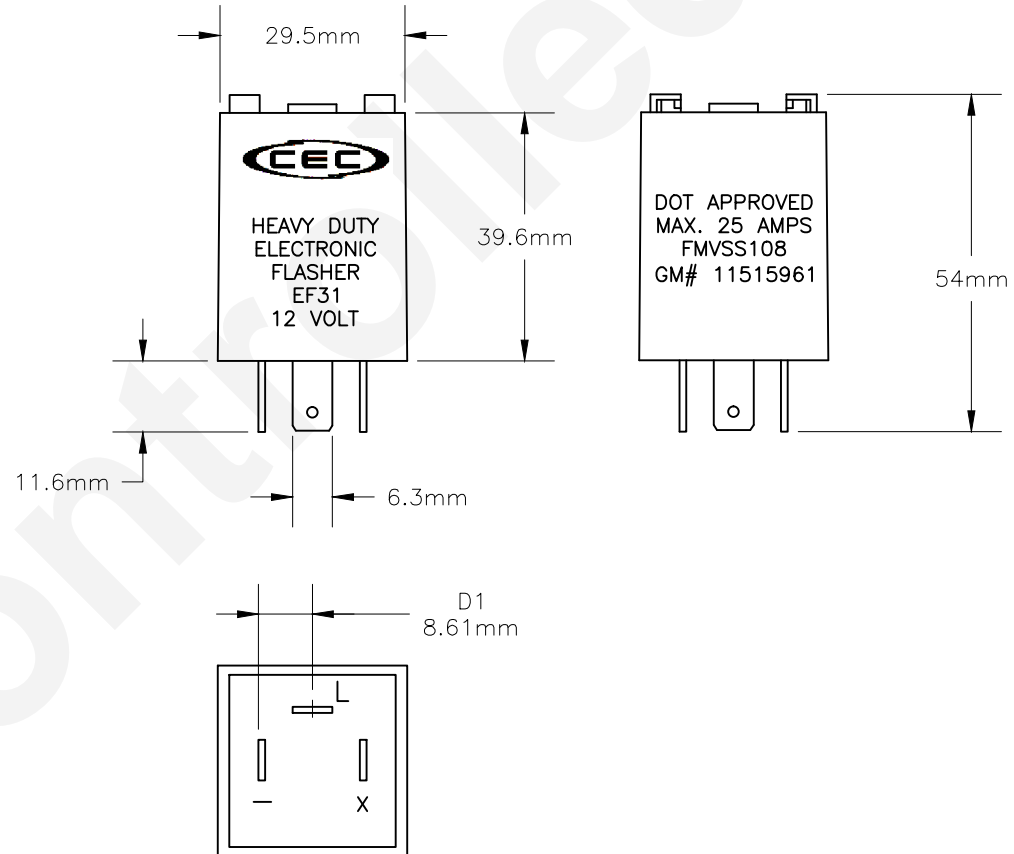
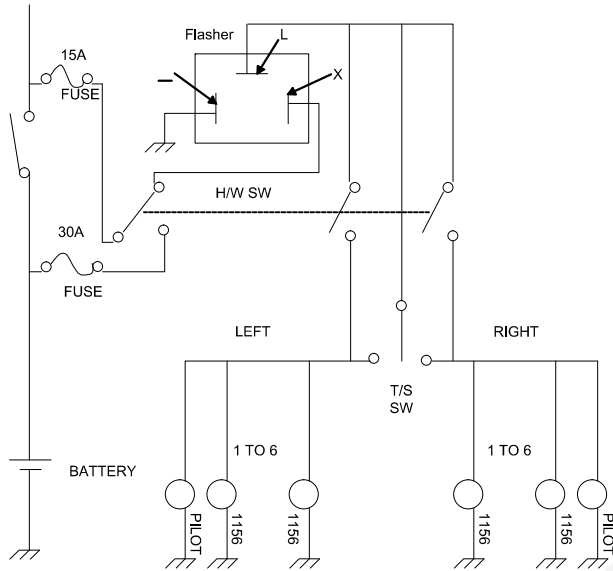


PART NO.	NO. OF TERMINALS	TYPE	STYLE	VOLT CAPACITY	PILOT CIRCUIT
EF31	3	VARIABLE LOAD	*SQUARE	12 V	NO

*FITS ALL STANDARD ROUND SOCKETS

EF31 CIRCUIT DIAGRAM



Specifications: FMVSS 108 SAE J590 J945 & J1690 Class A
Rated for 100 hours of continuous operation

Shell Construction: Plastic

Rated Load: 1 to 12 lamps / 25 Amps. MAX

Lamp Ratings: # 1156 2.10 Amps at 12.8 Volts

Temperature Operating Range: -25°F to 140° F

Rated Voltage: 11 to 15 Volts DC.

Voltage Drop at Rated Current: 500 mv

Time to First Flash: Less than 1.5 seconds.

Flash Rate over Temperature Range: 60 to 120 Flash Per Minute

Duty Cycle: 30% to 75%

Electrical Source:

30 amps. Fused circuit recommended.

L Terminal = Load (Lamp Output)

X Terminal = Battery (Power Input)

- Terminal = Ground.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	ISSUED	12/20/1999	M.V.
2	ADDITIONAL VIEWS AND DIMENSIONS	06/17/2002	
3	REDRAWN	10/11/2005	D.C.
4	REMOVED NOTE	07/31/2008	D.C.
5	NEW HOUSING WITH SLOT FOR BRACKET	04/01/2011	D.C.
6	REVISED "LAMP RATINGS"	03/09/2018	R.M.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES		CEC INDUSTRIES LTD	
DECIMALS .XX ± .05		599 BOND STREET LINCOLNSHIRE IL 60069	
ANGULAR .XXX ± .010		TITLE	
FRACTIONAL ±1/64		ELECTRONIC FLASHER EF31	
DRAWN Mario M. Vargas	DATE 12/20/99	SIZE A	FSCM NO. DWG NO. FLASHER EF31
CHECKED		SCALE	PLOT SCALE
DESIGN		SHEET 1 OF 1	
MATERIAL	FILE EF31.DWG	DO NOT SCALE DRAWING	
			REV 6