



MALLORY SONALERT PRODUCTS, INC.



Product APPLICATION Guide

Panel Lights

Part Number Structure FL1M – 6CW-2 – B 2V – MX

Series _____

FL1M or **FL1P**

Housing Style _____

See Below for Housing Style Characteristics

Color: _____

B = Blue; **G** = Green; **R** = Red; **W** = White; **Y** = Yellow/Amber

Rated Voltage _____

2V = 2 Volts; **3V** = 3 Volts; **6V** = 6 Volts; **12V** = 12 Volts; **24V** = 24 Volts

48V = 48 Volts; **110V** = 110 Volts; **220V** = 220 Volts; **380V** = 380 Volts

Molex Connector for Models with Wires _____

MX = Molex Micro-Fit 3.0 Connector Model No. 43025-0200

Notes:

- Blue, Green, & White models are not available in 2V ratings.
- FL1M-6CJ-1 models are only available 48 Volts and less.
- FL1M-6CJ-1, FL1M-6CW-2, & FL1M-8CW-4 models are rated DC Only. All other models are rated AC/DC.
- Body styles which are available with the Molex connector include:
 FL1M-6CW-2; FL1M-6FW-1; FL1M-6SW-1; FL1P-6QW-1; FL1P-6QW-2;
 FL1M-8CW-4; FL1M-8FW-1; FL1M-8SW-1; FL1P-8NW-1; FL1P-8QW-1;
 FL1P-8QW-2; FL1P-10NW-1; FL1P-10NW-4; FL1P-10QW-1 FL1P-12QW-1;
 FL1P-12QW-2
- For models with the Molex connector, use mating connector P/N 43020-0201

UL and CUL Approved Models:

- FL1M-8FJ-2 Models- all colors and voltages
- FL1M-10QW-1 Models- all colors and voltages
- FL1M-8FW-1 Models- all colors and 110V and 220V voltages

Panel Light Characteristics

Housing Style	Panel Hole Dia (mm)	Snap-in or Thread & Nut	Front Shape	Termination	Volt Type	IP Rating	UL & CUL
FL1M-6CJ-1	6 mm	Threads & Nut	Convex	PC Pins	DC	IP-65	No
FL1M-6CW-2		Threads & Nut	Convex	Wires-24 AWG or Connector	DC	IP-50	No
FL1M-6FW-1		Threads & Nut	Flat	Wires-24 AWG or Connector	AC/DC	IP-65	No
FL1M-6SW-1		Threads & Nut	Rounded	Wires-24 AWG or Connector	AC/DC	IP-65	No
FL1P-6QW-1		Snap-in	Flat	Wires-24 AWG or Connector	AC/DC	IP-50	No
FL1P-6QW-2		Snap-in	Rounded	Wires-24 AWG or Connector	AC/DC	IP-50	No

Housing Style	Panel Hole Dia (mm)	Snap-in or Thread & Nut	Front Shape	Termination	Volt Type	IP Rating	UL & CUL
FL1M-8CJ-2	8 mm	Threads & Nut	Convex	Quick Connect	AC/DC	IP-65	No
FL1M-8CJ-3		Threads & Nut	Convex	PC Pins	AC/DC	IP-65	No
FL1M-8CW-4		Threads & Nut	Convex	Wires-22 AWG or Connector	DC	IP-65	No
FL1M-8FJ-2		Threads & Nut	Flat	PC Pins	AC/DC	IP-65	Yes
FL1M-8FW-1		Threads & Nut	Flat	Wires-22 AWG or Connector	AC/DC	IP-65	110V 220V
FL1M-8SJ-2		Threads & Nut	Rounded	Quick Connect	AC/DC	IP-65	No
FL1M-8SJ-3		Threads & Nut	Rounded	PC Pins	AC/DC	IP-65	No
FL1M-8SW-1		Threads & Nut	Rounded	Wires-22 AWG or Connector	AC/DC	IP-65	No
FL1P-8NJ-1		Threads & Nut	Rounded	Quick Connect	AC/DC	IP-65	No
FL1P-8NW-1		Threads & Nut	Rounded	Wires-22 AWG or Connector	AC/DC	IP-50	No
FL1P-8QJ-2		Snap-in	Rounded	Quick Connect	AC/DC	IP-50	No
FL1P-8QW-1		Snap-in	Flat	Wires-22 AWG or Connector	AC/DC	IP-50	No
FL1P-8QW-2		Snap-in	Rounded	Wires-22 AWG or Connector	AC/DC	IP-50	No

Housing Style	Panel Hole Dia (mm)	Snap-in or Thread & Nut	Front Shape	Termination	Volt Type	IP Rating	UL & CUL
FL1P-10NJ-4	10 mm	Threads & Nut	Flat	Quick Connect	AC/DC	IP-50	No
FL1P-10NW-1		Threads & Nut	Flat	Wires-22 AWG or Connector	AC/DC	IP-50	No
FL1P-10NW-4		Threads & Nut	Flat	Wires-22 AWG or Connector	AC/DC	IP-50	No
FL1P-10QJ-1		Snap-in	Rounded	Quick Connect	AC/DC	IP-50	No
FL1P-10QW-1		Snap-in	Rounded	Wires-22 AWG or Connector	AC/DC	IP-50	Yes

Housing Style	Panel Hole Dia (mm)	Snap-in or Thread & Nut	Front Shape	Termination	Volt Type	IP Rating	UL & CUL
FL1M-12CA-1	12 mm	Threads & Nut	Flat	Screws	AC/DC	IP-65	No
FL1M-12CJ-1		Threads & Nut	Convex	Quick Connect	AC/DC	IP-65	No
FL1M-12CW-1		Threads & Nut	Convex	Wires-18 AWG	AC/DC	IP-65	No
FL1M-12FW-1		Threads & Nut	Flat	Wires-18 AWG	AC/DC	IP-65	No
FL1M-12SJ-1		Threads & Nut	Rounded	Quick Connect	AC/DC	IP-65	No
FL1M-12SW-1		Threads & Nut	Rounded	Wires-18 AWG	AC/DC	IP-65	No
FL1P-12NJ-1		Threads & Nut	Jut Out	Solder Lug	AC/DC	IP-50	No
FL1P-12QJ-1		Snap-in	Rounded	Quick Connect	AC/DC	IP-50	No
FL1P-12QW-1		Snap-in	Rounded	Wires-22 AWG or Connector	AC/DC	IP-50	No

Housing Style	Panel Hole Dia (mm)	Snap-in or Thread & Nut	Front Shape	Termination	Volt Type	IP Rating	UL & CUL
FL1P-12QW-2	12.5 mm	Snap-in	Flat	Wires-22 AWG or Connector	AC/DC	IP-50	No

Housing Style	Panel Hole Dia (mm)	Snap-in or Thread & Nut	Front Shape	Termination	Volt Type	IP Rating	UL & CUL
FL1P-16NJ-1	16 mm	Threads & Nut	Jut Out	Solder Lug	AC/DC	IP-50	No

Housing Style	Panel Hole Dia (mm)	Snap-in or Thread & Nut	Front Shape	Termination	Volt Type	IP Rating	UL & CUL
FL1P-22NA-1	22 mm	Threads & Nut	Jut Out	Screws	AC/DC	IP-50	No

Gasket, Nut, & Washer Replacement List

Housing Style	Panel Hole Dia (mm)	Nut	Gasket	Washer
FL1M-6CJ-1	6 mm	LM6	FSQ6	N/A
FL1M-6CW-2	6 mm	LM6-2	N/A	N/A
FL1M-6FW-1	6 mm	LM6	FSQ6	MHDP6
FL1M-6SW-1	6 mm	LM6	FSQ6	MHDP6
FL1P-6QW-1	6 mm	N/A	N/A	N/A
FL1P-6QW-2	6 mm	N/A	N/A	N/A
FL1M-8CJ-2	8 mm	LM8	FSQ8	MHDP8
FL1M-8CJ-3	8 mm	LM8	FSQ8	MHDP8
FL1M-8CW-4	8 mm	LM8	FSQ8	MHDP8
FL1M-8FJ-2	8 mm	LM8	FSQ8	MHDP8
FL1M-8FW-1	8 mm	LM8	FSQ8	MHDP8
FL1M-8SJ-2	8 mm	LM8	FSQ8	MHDP8
FL1M-8SJ-3	8 mm	LM8	FSQ8	MHDP8
FL1M-8SW-1	8 mm	LM8	FSQ8	MHDP8
FL1P-8NJ-1	8 mm	LM8	FSQ8	FSQ8-1
FL1P-8NW-1	8 mm	LM8	FSQ8	FSQ8-1
FL1P-8QJ-2	8 mm	N/A	N/A	N/A
FL1P-8QW-1	8 mm	N/A	N/A	N/A
FL1P-8QW-2	8 mm	N/A	N/A	N/A
FL1P-10NJ-4	10 mm	LM10	N/A	N/A
FL1P-10NW-1	10 mm	LM10-1	N/A	N/A
FL1P-10NW-4	10 mm	LM10	N/A	N/A
FL1P-10QJ-1	10 mm	N/A	N/A	N/A
FL1P-10QW-1	10 mm	N/A	N/A	N/A
FL1M-12CA-1	12 mm	LM12	FSQ12	N/A
FL1M-12CJ-1	12 mm	LM12	FSQ12	MHDP12
FL1M-12CW-1	12 mm	LM12	FSQ12	MHDP12
FL1M-12FW-1	12 mm	LM12	FSQ12	MHDP12
FL1M-12SJ-1	12 mm	LM12	FSQ12	MHDP12
FL1M-12SW-1	12 mm	LM12	FSQ12	MHDP12
FL1P-12QJ-1	12 mm	N/A	N/A	N/A
FL1P-12NJ-1	12 mm	SLLM12	N/A	N/A
FL1P-12QW-1	12 mm	N/A	N/A	N/A
FL1P-12QW-2	12.5 mm	N/A	N/A	N/A
FL1P-16NJ-1	16 mm	SLLM16	SLQ16	N/A
FL1P-22NA-1	22 mm	SLLM22	SLQ22	N/A