

HYPER-MINIATURE LEVER & ROCKER SWITCHES

FL

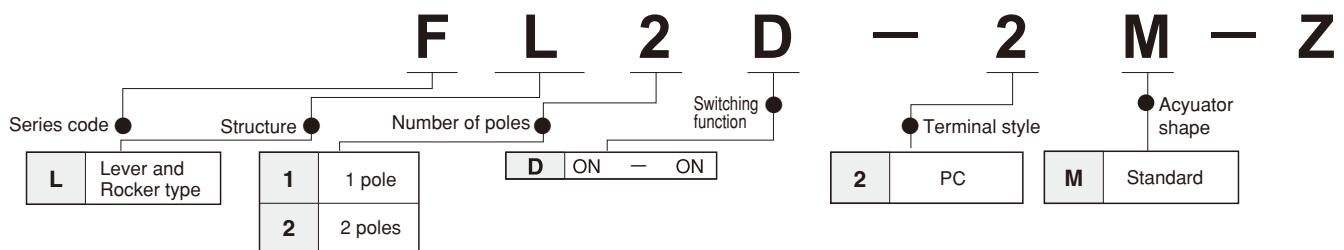
FEATURES

- It is of ultra-compact type. The volumetric ratio is half that of the conventional series A.
- Immersion cleaning is possible after soldering.
- Terminal mounting is at 0.1-inch pitches.
- Independent detent mechanism provides light feel operability.
- Regarding the contact reliability, a long-term stability is assured by the clip contact.
- Gold-plated contacts make these switches ideal for use with extremely small current.
- All plastic construction prevents a malfunction due to static electricity.

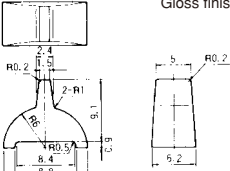
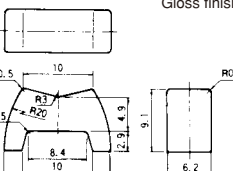
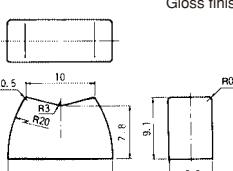
SPECIFICATIONS

Rating	Max : 0.4VA (28VDC max.) Min: 1 μ A 20mVDC
Initial contact resistance	100m Ω max. (1.5mA 200 μ VAC)
Dielectric strength	250VAC 1 minute
Insulation resistance	500M Ω min (250VDC)
Electrical life	10,000 cycles at max. rating 50,000 cycles at min. rating (D type)
Operating temperature range	-40~+85°C
Storage temperature range	-40~+85°C

PART NUMBERING



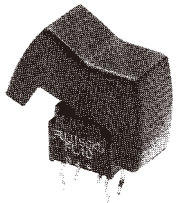
STANDARD ACCESSORIES

Part name	Lever	Rocker	Rocker
Dimensions	 <p>Gloss finish</p> <p>(ABS resin)</p>	 <p>Gloss finish</p> <p>(ABS resin)</p>	 <p>Gloss finish</p> <p>(ABS resin)</p>
White	140000050858	140000481410	140000481594
Red	140000050859	140000481411	140000481595
Black	140000050860	140000481412	140000481596
Gray	140000050861	140000481413	140000481597

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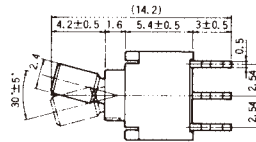
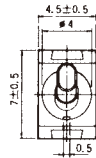
OUTLINE DIMENSIONS

SPDT

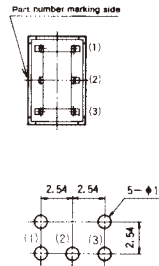


Mount with **Rocker**

PC



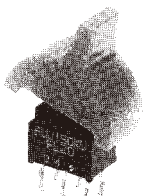
Terminal number not shown on box.



PC Hole Layouts

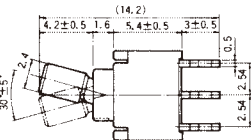
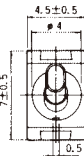
Switching function Part No.	Viewed from part No. marking side		
FL1D-2M-Z	ON	—	ON
Connecting terminals	2-1	—	2-3

DPDT

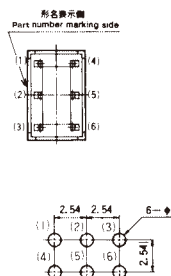


Mount with **Lever**

PC



Terminal number not shown on box.



PC Hole Layouts

Switching function Part No.	Viewed from part No. marking side		
FL2D-2M-Z	ON	—	ON
Connecting terminals	2-1 5-4	—	2-3 5-6

SOLDERING

- Hand soldering
Device : Solder iron
380°C Max. 3 sec. Max.
- Auto soldering
Device : Wave or dip type
275°C Max. 6 sec. Max.
Preheat should be within 80-120°C and less than 120 sec.
- When soldering two or more terminals to the common land, use solder resist to solder them independently.

FLUX CLEANING

- Solvents : Fluorine or Alcohol type
- Cleaning shall be made when terminal temperature falls to 90°C or lower. Or, leave the switch at normal temperature for 5 minutes or longer, before cleaning.
- Do not apply ultrasonic cleaning.

PACKAGING SPECIFICATION

Plastick Pack

100 pcs/pack

