



RoHS Compliant

Hyper-miniature Lever & Rocker Switches

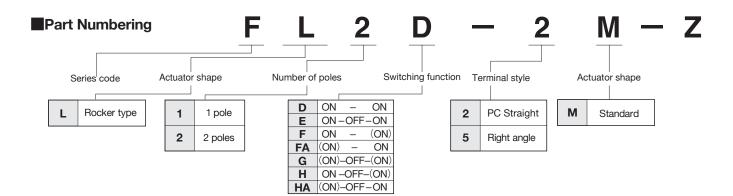


Features -

- 1. Hyper-miniature type. The volumetric ratio is half the conventional Series A.
- 2. Immersion cleaning is possible after soldering.
- 3. The terminal pitch is of the 0.1-inch size...
- 4. The independent detent mechanism ensures light operating feeling.
- 5. For the contact reliability, long-term stability is assured by the clip contacts.
- 6. Since the contacts are gold-plated, the switches are best suited for use in the dry circuit areas.
- 7. The full-molded type prevents malfunction caused by static electricity.

■ Specifications

Rating	Max : 0.4VA (28VDC max.) Min : 1μA 20mVDC
Initial contact resistance	100mΩ 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 max. rating (D,E type) 30,000 cycles at max. rating (F,G,H type)
Operating temperature range	-40°C∼+85°C
Storage temperature range	-40°C∼+85°C



■ Standard Accessories

(Supplied separately)

Part name	Lever (PC Straight&R/A)	Rocker (PC Straight&R/A)	Rocker (PC Straight)
Dimensions	2.4 RO. 2 1.5 2.81 2.81 3.80.5 6.2 ABS resin	R0. 5 10 R0. 5 R0.	R0.5 10 R0.5 R0.5 R0.5 ABS resin
White	140000050858	140000481410	140000481594
Red	140000050859	140000481411	140000481595
Black	140000050860	140000481412	140000481596
Gray	140000050861	140000481413	140000481597

■Lever •Rocker Mounting —

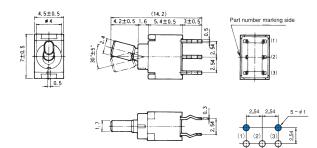
Lever	Rocker		
6.2 5 6.2 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3	15 6.2		

The lever and the rocker are standard accessories. Specify either of the lever or the rocker by part number.









Terminal numbers are not shown on the bottom of the switch. (T

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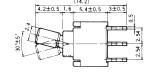
(Top view)
PC Hole Layouts

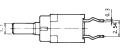
Switching function	Viewed from part No. marking side		
Part No.	1	上戸	47
FL1D-2M-Z	ON	_	ON
▲FL1E-2M-Z	ON	OFF	ON
▲FL1F-2M-Z	(ON)	_	ON
★FL1G-2M-Z	(ON)	OFF	(ON)
▲FL1H-2M-Z	(ON)	OFF	ON
Connecting terminals	2-1	_	2-3

DPDT



Mount with Lever
PC Straight





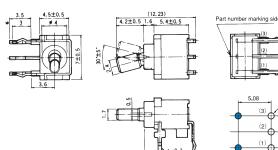


Switching function	Viewed from part No. marking side		
Part No.	1		44
★FL2D-2M-Z	ON	_	ON
▲FL2E-2M-Z	ON	OFF	ON
★FL2F-2M-Z	(ON)	_	ON
★FL2G-2M-Z	(ON)	OFF	(ON)
▲FL2H-2M-Z	(ON)	OFF	ON
Connecting terminals	2-1 5-4	_	2-3 5-6

SPDT







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	PC

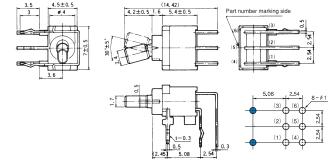
Top view) C Hole Layouts

Switching function	Viewed from part No. marking side		
Part No.	1	上戸	ムト
★FL1D-5M-Z	ON	_	ON
▲FL1E-5M-Z	ON	OFF	ON
▲FL1F-5M-Z	ON	_	(ON)
▲FL1FA-5M-Z	(ON)	_	ON
★FL1G-5M-Z	(ON)	OFF	(ON)
▲FL1H-5M-Z	ON	OFF	(ON)
▲FL1HA-5M-Z	(ON)	OFF	ON
Connecting terminals	2-3	_	2-1

DPDT



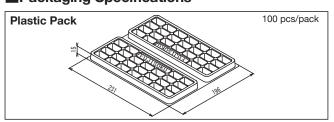
Mount with Lever



Terminal numbers are not shown on the bottom of the switch.	(Top view) PC Hole Layouts

Switching function	Viewed from part No. marking side		
Part No.	1	上	47
★FL2D-5M-Z	ON	_	ON
▲FL2E-5M-Z	ON	OFF	ON
▲FL2F-5M-Z	ON	_	(ON)
▲FL2FA-5M-Z	(ON)	_	ON
▲FL2G-5M-Z	(ON)	OFF	(ON)
▲FL2H-5M-Z	ON	OFF	(ON)
▲FL2HA-5M-Z	(ON)	OFF	ON
Connecting terminals	2-3 5-6	_	2-1 5-4

■Packaging Specifications



■ Soldering Specifications

(1)Manual Soldering

Device: Soldering iron

380°C, Max.; 3 seconds, Max.

(2)Auto Soldering

Device: Jet wave type or dip type 275°C; 6 seconds, Max.

