

# STANDARD LEVER & ROCKER SWITCHES

#### **■ FEATURES**

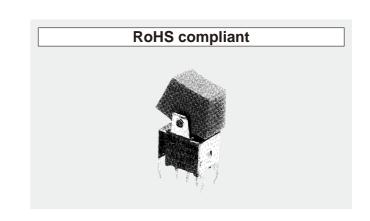
#### High Reliability

Twin-contact clip mechanism is used in the contact section to ensure reliability.

- Washable Structure
  - All switches are of a completely sealed construction.
- Ideal for Extremely Small Current
   Gold-plated contacts make these switches ideal for use with extremely dry circuit applications.
- Designed for PC Boards

Terminal pitches are all in inch size (multiples of 2.54 mm).

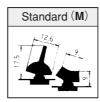
- Quality Touch
   Independent detent construction provides a light operating touch.
- UL approved.



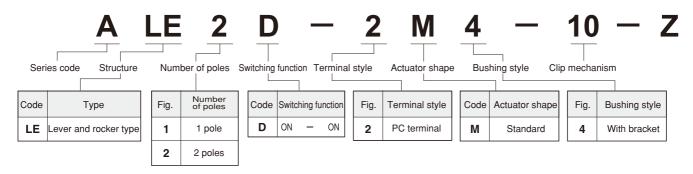
#### **■ SPECIFICATIONS**

Rating	Max: 50mA 48VAC/DC Min: 1 μA 20mVAC/DC		
Initial contact resistance	50mΩmax. (	1.5mA 200 μVAC)	
Dielectric strength	250VAC 1 minute		
Insulation resistance	500M Ω min	(250VDC)	
Electrical life	10,000 cycles at maximum rating. 50,000 cycles at 0.4VA max.( <b>D</b> type)		
Operating temperature range	-20~+85°C		
Storage temperature range	-40~+85°C		

# **■ ACTUATOR SHAPE**



#### **■ PART NUMBERING**



# **■ TABLE OF PART NUMBES**

Number of poles	Terminal style	Switching function	Part No.
1 pole	PC terminal	ON - ON	ALE1D-2M4-10-Z
2 poles	PC terminal	ON - ON	ALE2D-2M4-10-Z

- \*Please contact us if you can't find your preferable combination in the table of part numbers.
- Specifications are subject to change without notice. Specifications in this catalog are for reference. The formal specification sheets will be submitted upon request.

# **ALE** STANDARD LEVER & ROCKER SWITCHES

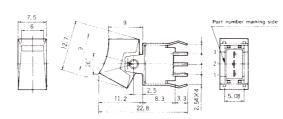
# **■ OUTLINE DIMENSIONS**

# SPDT Com

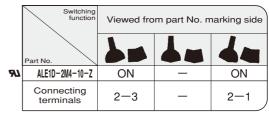
PC

Mount with rocker

#### Compact type



Terminal number not shown on box.

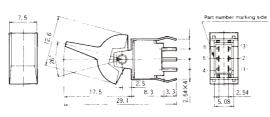


### **DPDT**



Mount with lever

#### Compact type



Terminal number not shown on box.

	Switching function			
	Part No.	1	4-	4=
<b>P</b>	★ALE2D-2M4-10-Z	ON	_	ON
	Connecting terminals	2-3 5-6	_	2-1 5-4

★: Made-to-order items.

# ALE STANDARD LEVER & ROCKER SWITCHES

## **■ STANDARD ACCESSORIES**

Lever		Rocker			
Dimension	Color	Part No.	Dimension	Color	Part No.
Gloss finish	White	140000050624	Gloss finish	White	140000480673
1.5 6 12.6 7.5	Red	140000050626	9 6.5	Red	140000480675
	Black	140000050625		Black	140000480674
	Gray	140000050630		Gray	140000480679
	Green	140000050628		Green	140000480677
	Blue	140000050629		Blue	140000480678
	Orange	140000050632		Orange	140000480680
	Yellow	140000050627		Yellow	140000480676
(ABS resin)	Brown	140000050647	(ABS resin)	Brown	140000480693

Lever or rocker is included. Indicate with the number on the parts diagram.

# ■ LEVER - ROCKER INSTALLATION PROCEDURE



Install the lever or rocker after cleaning

## **■ PC HOLE LAYOUTS**

PC terminal	1—pole Compact type	7 ¢1 95 2 95 2
	2—pole Compact type	10-91 588 9 254 254 254 254
	2—pole 5.08mm Two terminal rows	10-41 

### **■ SOLDERING**

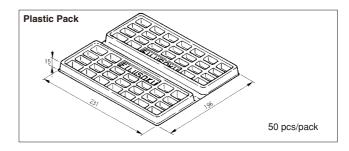
(1) Hand soldering
Device: Solder iron
380 °C Max. 3 sec. Max.

(2) Auto soldering

Device: Wave or Dip type 275 °C Max. 6 sec. Max.

• Preheat should be within 80-120 °C, 120sec.

### **■ PACKAGING SPECIFICATION**



# **■ FLUX CLEANING**

(1) Solvent: Fluorine or Alcohol type.

(2) Cleaning shall be made when terminal temperature fall to 90 °C or lower. Or, leave the switch at normal temperature for 5 minutes or longer, before cleaning.