



Standard Lever & Rocker Switches



UL

■Features

1. High reliability

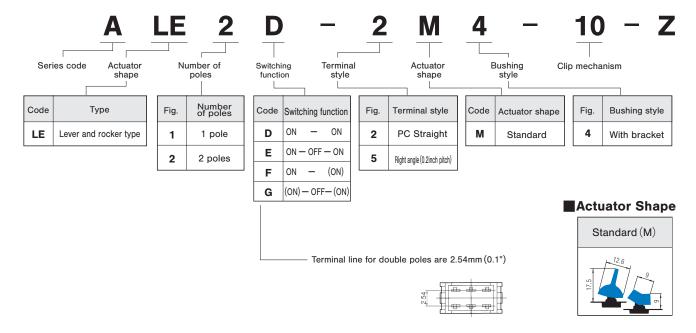
The twin-contact clip mechanism is employed for the contact section to ensure high reliability.

- Process sealed structureAll types of the switch feature the completely sealed structure.
- Designed for dry circuit applications
 Since the contacts are gold-plated, the switches are best suited for use in the dry circuit areas.
- 4. Designed for PC board applications
 The terminal pitches are all in inch size (2.54 mm).
- Improved operability
 The independent detent structure provides a light operating touch.
- 6. All models are of UL approved type.

■ Specifications

Rating	Max: 0.4 VA (60 VAC/DC 50 mA) Min:1μA 20 mVAC/DC UL:48 VAC/DC 50 mA		
Initial contact resistance	50 mΩ max.	$(1.5~\text{mA}~200~\mu\text{VAC})$	
Dielectric strength	250 VAC 1 minute		
Insulation resistance	500 MΩ min.	(500 VDC)	
Electrical life	10,000 cycles at maximum rating 50,000 cycles at 0.4 VA min. (D,E type) 30,000 cycles at 0.4 VA min. (F,G type)		
Operating temperature range	-20∼+85°C		
Storage temperature range	-40∼+85°C		

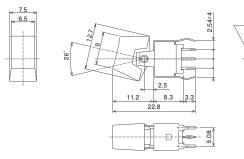
■Part Numbering

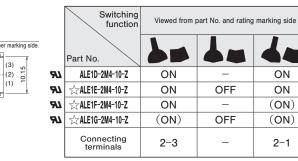


SPDT









(Mount with Rocker)

Terminal numbers are not shown on the bottom of the switch

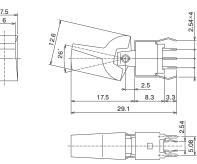
DPDT

PC Straight



(Mount with Lever)

Distance between two terminal rows: 2.54 mm





	Switching function			
	Part No.	7=	4	4
<i>Y</i> 7	☆ALE2D-2M4-10-Z	ON	_	ON
	Connecting	2-3	_	2-1
	terminals	5–6		5-4

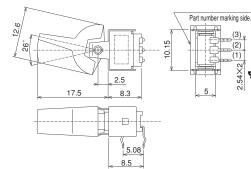
Terminal numbers are not shown on the bottom of the switch.

SPDT

0.2R/A







Switching Viewed from part No. marking side function Part No. ☆ALE1D-5M4-10-Z ON ON Connecting terminals 2-3 2-1

(Mount with Lever)

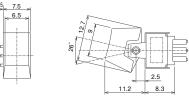
Terminal numbers are not shown on the bottom of the switch.

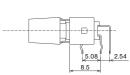
DPDT

0.2R/A



(Mount with Rocker)







(2) (1)

2.54X2



	Switching function	Viewed from part No. marking side		
	Part No.	7=	4	4
١	☆ALE2D-5M4-10-Z	ON	_	ON
	Connecting terminals	2-3 5-6	_	2-1 5-4

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

■ Table of Part Numbers and UL listed -

Poles	Part number	Switching function		% 1)	
	ALE1D-2M4-10-Z	ON	-	ON	0
1 pole	ALE1D-5M4-10-Z	ON			0
	ALE1E-2M4-10-Z	ON	-OFF-	ON	0
	ALE1F-2M4-10-Z	ON	-	(ON)	0
	ALE1G-2M4-10-Z	(ON)	-OFF-	(ON)	0
2 poles	ALE2D-2M4-10-Z	ON	-	ON	0
2 poles	ALE2D-5M4-10-Z	ON			0

(%1) UL File No. E43275

■ Standard Accessories

«Supplied separately»

Lever		Rocker			
Dimension	Color	Part No.	Dimensions	Color	Part No.
1.5	White	140000050624	9 6.5	White	140000480673
2 8 3	Red	140000050626		Ded	140000400075
TO BY	Black	140000050625	12.7	Red	140000480675
12.6 7.5 ABS resin	Gray	140000050630	ABS resin	Black	140000480674

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

■ Lever or rocker Installation procedure



Mount the lever or the rocker after cleaning.

■ Soldering Specifications -

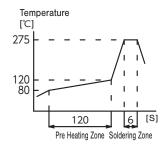
(1) Manual Soldering

Device : Soldering iron

380°C, Max.; 3 seconds, Max.

(2) Auto Soldering

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



Pre-heating should be done at temperatures ranging from 80°C to 120°C and within 120 seconds.

Note: Mount the accessories of knob and lever after the soldering.

■ PC Hole Layouts (Top view)

DC Straight	1-pole (Compact type)	7-61 95 25 254 254 254 254		
PC Straight	2-poles (Compact type)	10-¢1 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		
Right angle terminal	1-pole (Compact type)	5-01		
	2-poles (Compact type)	5.08 2.54		

■ Flux Cleaning –

- (1) For the solvent, use the fluorine- or alcohol-based solvent. Solvent: Fluorine or Alcohol type
- (2) Cleaning after soldering should be done after the terminal temperature falls to 90°C or below, or after leaving the switch for five minutes or longer at room temperature.

■ Packaging Specification

