

ES

Miniature Slide Switches

RoHS Compliant



Part Numbering

ES

Series code

1

Number of poles

1	1 pole
2	2 poles

15

Current

A

Switching function

1 pole	2 pole	Switching function
A	K	OFF — ON
D	N	ON — ON
E	P	ON—OFF—ON

12

Terminal styles

None	#250 Tab terminal
10	Screw terminal
12	Solder terminal

—

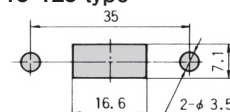
Z

Terminal Styles

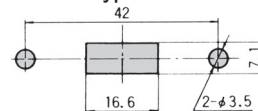
TAB#250 (Style : —)	Screw (Style : 10)		Solder (Style : 12)
	M3.5	M4.5	
	ES115•215 type (15A type)	ES125•225 type (25A type)	

Panel Cut-Out Dimensions

●ES115•125 type



●ES215•225 type



ES115 1—pole

Switches with switching function "A" do not have terminal No. 2.

Dimension L

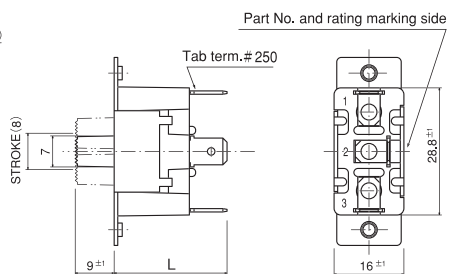
Part No.	Terminal style	TAB	Screw	Solder
ES115A ■—Z		25.2±1	—	22.3±1
ES115D ■—Z		—	—	—
ES115E ■—Z		25.7±1	—	22.8±1

Switching function	Viewed from part No. marking side		
Part No.			
ES115A ■—Z	OFF	—	ON
Connecting terminals	—	—	1—3
ES115D ■—Z	ON	—	ON
ES115E ■—Z	ON	OFF	ON
Connecting terminals	2—1	—	2—3

To check the full part number of the products marked with the ■, please refer to "Table of Part Numbers" on P. 505.

Specifications

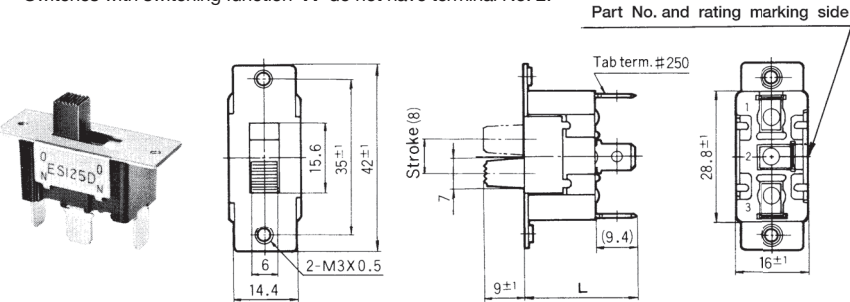
Rating	Initial contact resistance	Dielectric strength	Insulation resistance	Electrical life
ES115A ■—Z ES115D ■—Z	20mΩ Max. (DC2~4V 100mA)	AC1500V 1分間/minute	100MΩ Min. (DC500V)	20,000 cycles
ES115E ■—Z	AC125V 15A AC250V 7A			



Terminal numbers are shown on the bottom of the switch.

ES125 1-pole

Switches with switching function "A" do not have terminal No. 2.



Specifications

Terminal numbers are shown on the bottom of the switch.

Rating		Initial contact resistance	Dielectric strength	Insulation resistance	Electrical life
ES125A■—Z	AC125V 25A	20mΩ Max. (DC2~4V 100mA)	AC1500V 1分間/minute	100MΩ Min. (DC500V)	20,000 cycles
ES125D■—Z	AC250V 25A				
ES125E■—Z	AC125V 25A AC250V 12A				

Dimension L

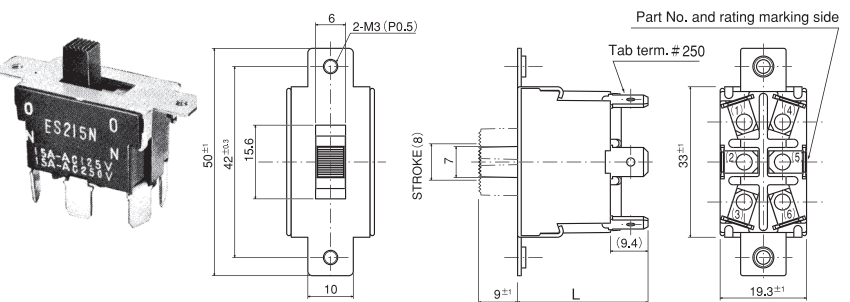
Terminal style	TAB	Screw	Solder
Part No.			
ES125A-Z	25.2±1	26.4±1	22.3±1
ES125D-Z			
ES125E-Z	25.7±1	—	22.7±1

Switching function	Viewed from part No. marking side		
Part No.			
ES125A-Z	OFF	—	ON
Connecting terminals	—	—	1-3
ES125D-Z	ON	—	ON
ES125E-Z	ON	OFF	ON
Connecting terminals	2-1	—	2-3

To check the full part number of the products marked with the ■, please refer to "Table of Part Numbers" on P. 505.

ES215 2-poles

Switches with switching function "K" do not have terminal No. 2 and No. 5.



Specifications

Terminal numbers are shown on the bottom of the switch.

Rating		Initial contact resistance	Dielectric strength	Insulation resistance	Electrical life
ES215K■—Z	AC125V 15A	20mΩ Max. (DC2~4V 100mA)	AC1500V 1分間/minute	100MΩ Min. (DC500V)	20,000 cycles
ES215N■—Z	AC250V 15A				
ES215P■—Z	AC125V 15A AC250V 7A				

Dimension L

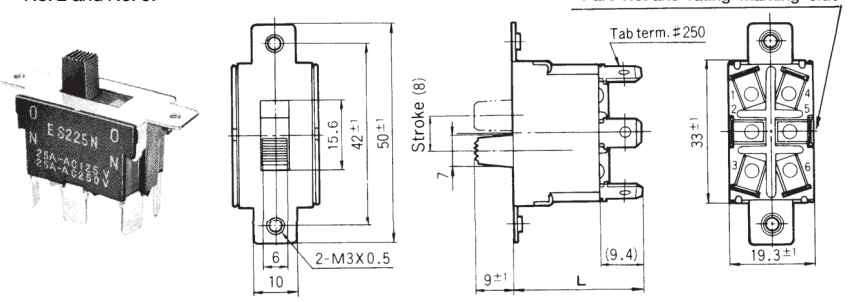
Terminal style	TAB	Screw	Solder
Part No.			
ES215K-Z	29.3±1	—	26.4±1
ES215N-Z		27.1±1	
ES215P-Z		—	

Switching function	Viewed from part No. marking side		
Part No.			
ES215K-Z	OFF	—	ON
Connecting terminals	—	—	1-3 4-6
ES215N-Z	ON	—	ON
ES215P-Z	ON	OFF	ON
Connecting terminals	2-1 5-4	—	2-3 5-6

To check the full part number of the products marked with the ■, please refer to "Table of Part Numbers" on P. 505.

ES225 2-poles

Switches with switching function "K" do not have terminal No. 2 and No. 5.



Specifications

Terminal numbers are shown on the bottom of the switch.

Rating		Initial contact resistance	Dielectric strength	Insulation resistance	Electrical life
ES225K■-Z	AC125V 25A	20mΩ Max. (DC2~4V 100mA)	AC1500V 1分間/minute	100MΩ Min. (DC500V)	20,000 cycles
ES225N■-Z	AC250V 25A				
ES225P■-Z	AC125V 25A AC250V 12A				

Dimension L

Terminal style	TAB	Screw	Solder
Part No.			
ES225K-Z	—	—	26.4±1
ES225N-Z	29.3±1	30.6±1	
ES225P-Z		—	

Switching function	Viewed from part No. marking side		
Part No.			
ES225K-Z	OFF	—	ON
Connecting terminals	—	—	1-3 4-6
ES225N-Z	ON	—	ON
ES225P-Z	ON	OFF	ON
Connecting terminals	2-1 5-4	—	2-3 5-6

To check the full part number of the products marked with the ■, please refer to "Table of Part Numbers" on P. 505.

■ indicates the terminal style number ("None", "10", or "12").