



Push Switch > SPED2 Series > SPED210203

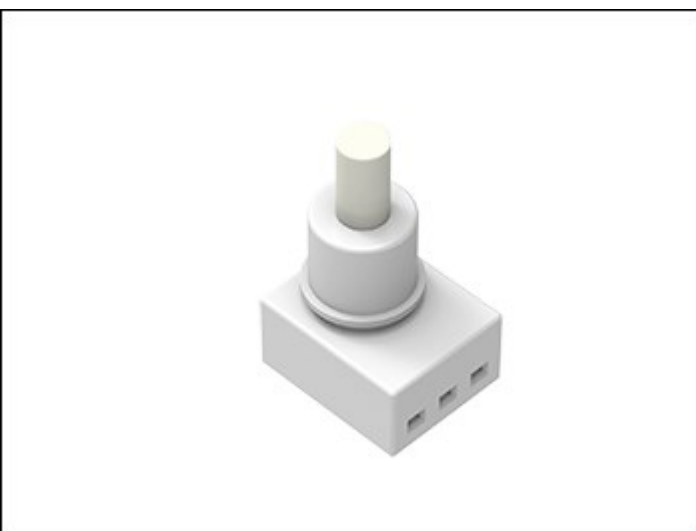
Series Common Info

# 4.5mm-travel Push-push Type SPED2 Series

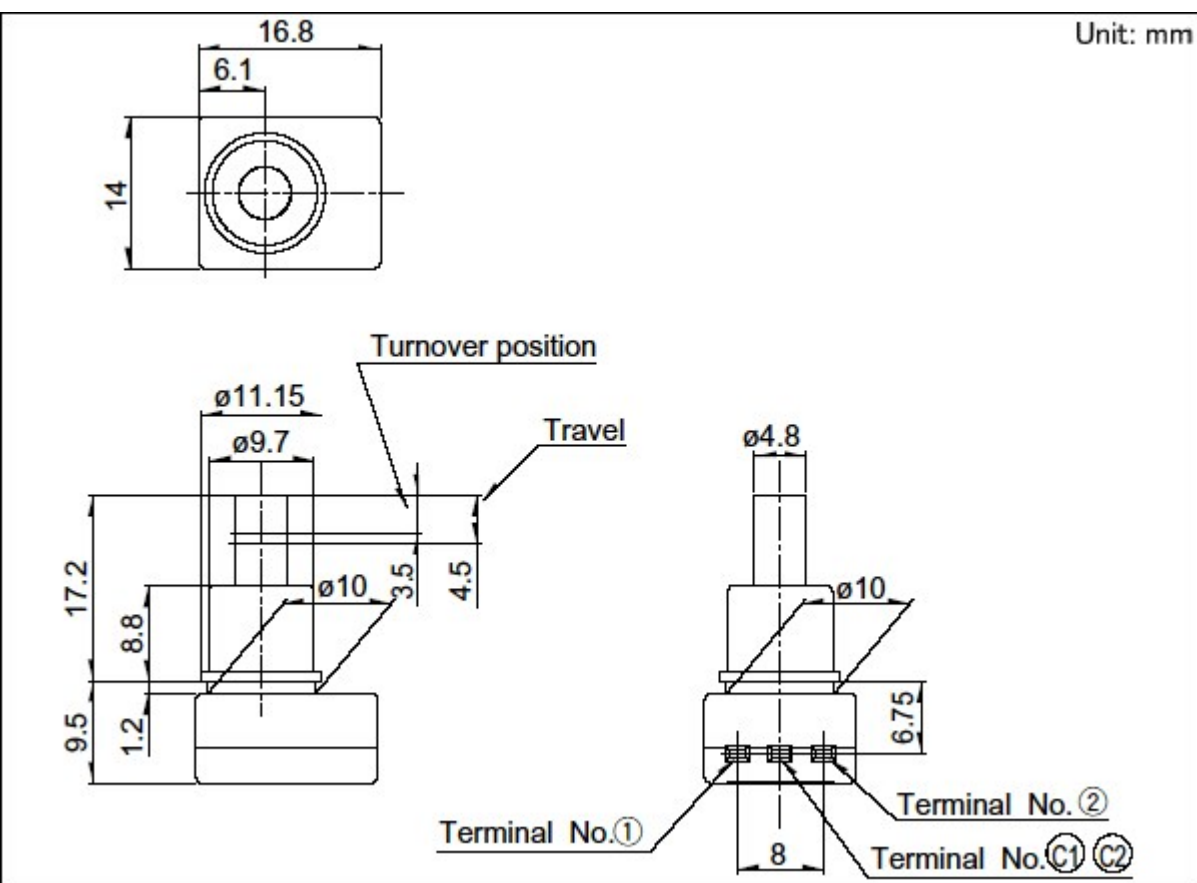
| Photo | Dimensions | Circuit Diagram | Packing Specifications | Soldering Conditions |

PRINT

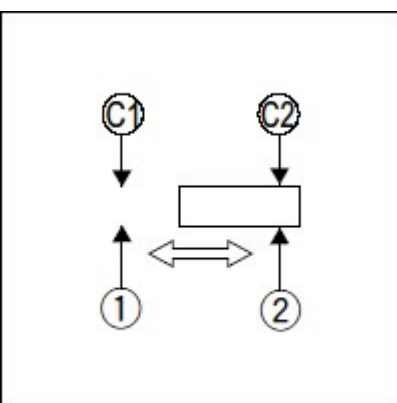
Part number		SPED210203	
Changeover timing		Non shorting	
Total travel		4.5mm	
Operating force		4.17±0.74N	
Mounting method		Connector	
Poles-Positions		1-pole, 2-position	
Operation		Alternate	
Operating temperature range		-40℃ to +85℃	
Electrical performance	Contact resistance (Initial performance/After lifetime)	100mΩ max./100mΩ max.	
	Insulation resistance	3MΩ min. 500V DC	
	Voltage proof	100V AC for 1 minute	
Mechanical performance	Actuator strength	Operating direction	90N
Rating (max.)(Resistive load)		1A 14.5V DC	
Durability	Operating life with load (at max. rated load)	30,000 cycles 100mΩ max.	
Environmental performance	Cold	-40℃ 96h	
	Dry heat	105℃ 192h	
	Damp heat	40℃, 90 to 95%RH 96h	
Minimum order unit (pcs.)	Japan	400	
	Export	2,000	
3D CAD (STEP)			
Certificate of Compliance to RoHS regulations			



## Dimensions



## Circuit Diagram



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## Packing Specifications

### Bulk

Number of packages (pcs.)	1 case / Japan	400
	1 case / export packing	2,000
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Export package measurements (mm)		400×270×290

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## Soldering Conditions

### Reference for Dip Soldering

Items	Preheating temperature	-
	Preheating time	-
Dip soldering	Soldering temperature	260±5℃
	Duration of immersion	10±1s

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### Reference for Hand Soldering

Soldering temperature	350±5℃
Soldering time	3±1s

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Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. This products can be used in vehicles.  
Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

## Inquiries about Products

 [Inquiry](#)