

Sub-Miniature Slide Switches



Specifications:

Maximum contact rating	: 0.4 VA at 48 V ac or dc
Minimum mechanical life	: 40,000 operations
Maximum contact resistance	: 50 mΩ
Insulation resistance	: 500 MΩ at 250 V dc
Dielectric strength	: 500 V, 50 Hz for the duration of 1 minute
Operating temperature	: -20°C to 80°C
Degree of protection	: IP67

Materials:

Actuator	: PBT, yellow std
Housing	: SPCC
Case	: PBT, washable
Switch support	: Brass, tin plated
Contact / terminals	: Phosphor bronze gold-plated over nickel barrier
Terminal seal	: Epoxy

Switch Function

Number of Poles	Model Number	Switch Function			Connected Terminals / Schematic		
		Position 1	Position 2	Position 3	Position 1	Position 2	Position 3
SP	5SES1	ON	NONE	ON	2-1	N/A	2-3
	5SES3	ON	OFF	ON		Open	
DP	5SED1	ON	NONE	ON	2-1, 5-4	N/A	2-3, 5-6
	5SED3	ON	OFF	ON		Open	

MOM = Momentary



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Soldering Process:

Wave soldering : Recommended soldering temperature : 260 $\pm$ 5°C
: Duration of solder immersion : Maximum 5 seconds (PCB is 1.6 mm in thickness)

Soldering : Vapour phase

Part Number Table

Description	Part Number
Switch, IP67, SPDT, ON-NON-ON, PCB	5SES1S105M2RES
Switch, IP67, SPDT, ON-NON-ON, PCB Right / Angle	5SES1S105M6RES
Switch, IP67, SPDT, ON-OFF-ON, PCB	5SES3S105M2RES
Switch, IP67, SPDT, ON-OFF-ON, PCB Right / Angle	5SES3S105M6RES
Switch, IP67, DPDT, ON-NON-ON, PCB	5SED1S105M2RES
Switch, IP67, DPDT, ON-NON-ON, PCB Right / Angle	5SED1S105M6RES
Switch, IP67, DPDT, ON-OFF-ON, PCB	5SED3S105M2RES
Switch, IP67, DPDT, ON-OFF-ON, PCB Right / Angle	5SED3S105M6RES

Part Number Explanation:

5SES1

Model
Number

S105

Actuator

M2

Terminations

R

Contact
Material

E

Seal

S

RoHS
Soldering

Model Number : 5SES1 = SP On-None-On, 5SES3 = SP On-Off -On, 5SED1= DP On-None-On and 5SED3 = DP On-Off-On
Actuator : S105 = 2.8 height
Terminations : M2 = PC thru-hole and M6 = Right angle, PC thru-hole
Contact Material : R = Gold
Seal : E = Epoxy (std)
RoHS Soldering : S = RoHS and Lead Free

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