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SAJ5 Series – Snap Action Switches

Applications

- **Home Appliances**
- **Communication equipment**
- **Security**
- **Electronic equipment**
- **Printers**

Features

- **Sealed to IP67**
- **Solder Terminals or Quick Connect**
- **Highly reliable with long operating life.**



TE Connectivity SAJ5 Series of Snap Action Switches offer flexibility through various combinations of contact ratings. These switches are designed to convert a mechanical action in an electrical one. This makes them very suitable for applications such as Home Appliances and Factory Automation as well as other domestic and industrial uses.

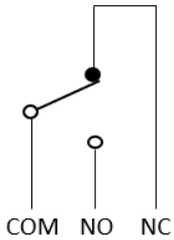
TE's Snap Action switches are dimensionally identical with other popular brands, making them extremely suitable for use in existing designs. They are available with various contact styles to aid flexibility

Specifications

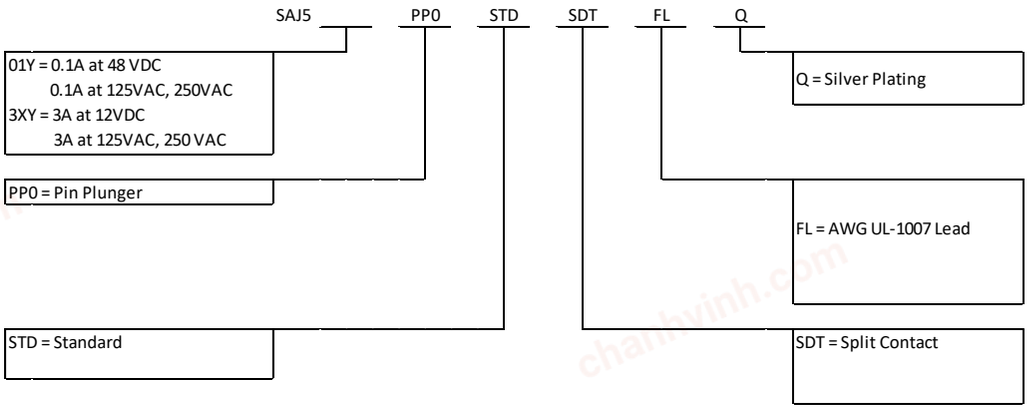
SAJ5 Series		Rating
Contact Rating	0.1A at 48 VDC 0.1A at 125VAC, 250VAC	SAJ501Y
	3A at 12VDC 3A at 125VAC, 250VAC	SAJ53XY
Mechanical Durability	500,000 cycles min	SAJ501Y SAJ53XY
Electrical Durability	100,000 cycles min.	
Contact Resistance	150mΩ max.	
Insulation Resistance	100MΩ min. (500 VDC)	
Dielectric Strength	Between terminals of the same polarity: 600 V AC (50Hz or 60Hz) shall be applied across terminals for 1 minute. Between each terminal and ground: 1500 V AC (50Hz or 60Hz) shall be applied across terminals for 1 minute. Between each terminal and n-current-carrying metal parts 1500V AC (50Hz or 60Hz) shall be applied across terminals for 1 minute	
Operating Temperature	-40°C ~ +85°C	

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Circuit

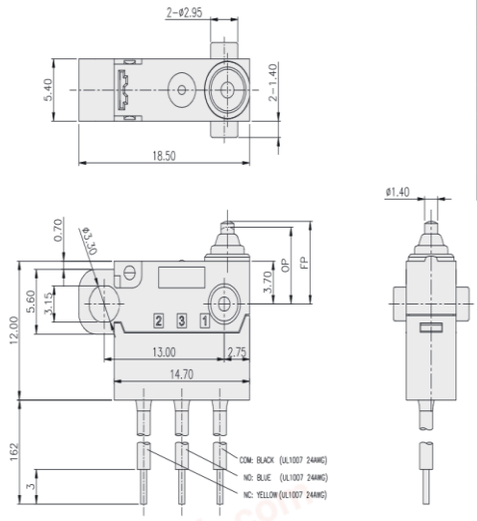


How to Order



Mechanical Measurements

TE Smart Part Number: SAJ53YXPP0STDSDTFLQ



OPERATING CHARACTERISTICS

ITEM	SPEC.
OPERATING FORCE(OF)	130gf (1.3N) MAX.
RELEASE FORCE(RF)	13gf (0.13N) MIN.
FREE POSITION(FP)	7.35mm MAX.
OVERTRAVEL(OT)	(0.80mm)
MOVEMENT DIFFERENTIAL(MD)	0.20mm MAX.
OPERATING POSITION(OP)	6.40~6.95mm