

### Alcoswitch | Alcoswitch FSMJSMA

TE Internal #: 4-1437565-1

TE Internal Description: FSM4JSMA=SMT,TACTILE,PB SWITCH

View on TE.com >



Relays, Contactors & Switches > Switches > Tactile Switches



Actuator Style: Round
Operating Function: NO

Contact Base Material: Copper Alloy

Switch Contact Plating Material: Silver

Dust Proof: No

### **Features**

### **Product Type Features**

Product Type	Switch
Leg Style	Gull Wing
Illuminated	No
Actuator Style	Round
Dust Proof	No

### **Configuration Features**

Tactile Feel	With
ESD Grounding Terminal	Without
Ganged	With
Tactile	Yes
Snap Action	Without
Operating Function	NO
Support Bracket	Without
Configuration (Pole-Throw)	Single Pole - Single Throw
Number of Actuators	1

### **Body Features**

Cover Material	Steel
Case Color	Brown
Actuator Force	160 g[5.648 oz]
Case Material	Polyamide



Bushing Style	Unthreaded
Actuator Profile	Extended
Actuator Material	Polyamide
Actuator Color	Black
Contact Features	
Contact Base Material	Copper Alloy
Switch Contact Plating Material	Silver
Contact Current Rating	50 mA
Termination Features	
Termination Type	Printed Circuit Board
Mechanical Attachment	
Mounting Type	Surface Mount
Mounting Angle	Vertical
Housing Features	
Low Profile	With
Process Sealed	No
Dimensions	
Actuator Length	1.4 mm[.055 in]
Button Width	3.5 mm[.138 in]
Switch Height	5 mm[.196 in]
Usage Conditions	
Temperature Rating	Standard °C
Packaging Features	
Packaging Method	Loose Piece
Other	

## **Product Compliance**

Comment

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant

(On) indicates momentary position.



China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	ECHAによる現在の候補リスト: 2019年7月 (201) 候補リストの表記: 2019年7月(201) REACH SVHCを含まない
EU REACH Regulation (EC) No. 1907/2006	ECHAによる現在の候補リスト: 2019年7月 (201) 候補リストの表記: 2019年7月(201)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

# Compatible Parts











TE Model / Part # 2-1977223-8
FSM14JSMAS=6MM TACT SWITCH,
SMT 160gf

## Also in the Series | Alcoswitch FSMJSMA

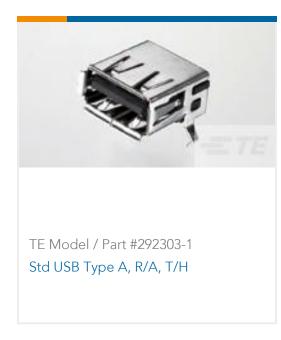


# Customers Also Bought





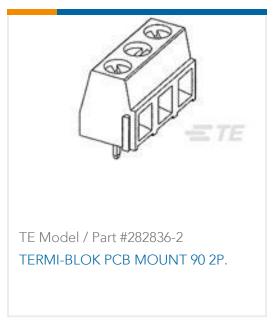
















### **Documents**

### **Product Drawings**

FSM4JSMA=SMT,TACTILE,PB SWITCH

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_4-1437565-1\_V.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_4-1437565-1\_V.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_4-1437565-1\_V.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

### Datasheets & Catalog Pages

SWITCHES\_CORE\_PROGRAM\_CATALOG

English

Products for Mobile Equipment

English

### Product Environmental Compliance

TE Material Declaration

English