

FSMH Datasheet



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DiGi Electronics Part Number	FSMH-DG
Manufacturer	TE Connectivity ALCOSWITCH Switches
Manufacturer Product Number	FSMH
Description	SWITCH TACTILE SPST-NO 0.05A 24V
Detailed Description	Tactile Switch SPST-NO Top Actuated Through Hole

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Purchase and inquiry

Manufacturer Product Number:

FSMH

Series:

FSM

Circuit:

SPST-NO

Contact Rating @ Voltage:

0.05A @ 24VDC

Mounting Type:

Through Hole

Actuator Length, Right Angle:

-

Termination Style:

PC Pin

Illumination:

Non-Illuminated

Illumination Voltage (Nominal):

-

Ingress Protection:

-

Operating Temperature:

-35°C ~ 85°C

Switch Travel:

0.25mm

Base Product Number:

-

Manufacturer:

TE Connectivity ALCOSWITCH Switches

Product Status:

Active

Switch Function:

Off-Mom

Actuator Type:

Rectangular Button

Actuator Height off PCB, Vertical:

5.00mm

Actuator Orientation:

Top Actuated

Outline:

6.00mm x 3.50mm

Illumination Type, Color:

-

Operating Force:

130gf

Features:

-

Actuator Material:

Polybutylene Terephthalate (PBT)

Mechanical Life:

100,000 Cycles

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.50.9031

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

1825965-1 ✓ ACTIVE[Alcoswitch](#) | [Alcoswitch FSM](#)

TE Internal #: 1825965-1

50 mA Tactile Switch, Rectangular Actuator, NO, Copper Alloy,
Silver Contact Plating, Low Profile, 24 VDC, Alcoswitch FSM[View on TE.com >](#)

Switches > Tactile Switches

Contact Current Rating: **50 mA**Actuator Style: **Rectangular Actuator**Operating Function: **NO**Contact Base Material: **Copper Alloy**Switch Contact Plating Material: **Silver**

Features

Product Type Features

Leg Style	Kinked
Switch Connection Type	Printed Circuit Board
Illuminated	With
Actuator Style	Rectangular Actuator

Configuration Features

Switch Feedback Type	Tactile
ESD Grounding Terminal	Without
Ganged	With
Operating Function	NO
Support Bracket	Without
Configuration (Pole-Throw)	Single Pole - Single Throw
Number of Actuators	Single

Electrical Characteristics

Operating Voltage	24 VDC
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Body Features

Case Material	Nylon
Actuator Profile	Extended
Case Color	Black
Actuator Material	PBT



Cover Material	Stainless Steel
Actuator Force	130 g[4.58 oz]
Product Orientation	Vertical
Actuator Color	Natural

Contact Features

Contact Current Rating	50 mA
Contact Base Material	Copper Alloy
Switch Contact Plating Material	Silver

Termination Features

Termination Method to PCB	Through Hole - Solder
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Housing Features

Low Profile	With
Process Sealed	No

Dimensions

Button Width	2.3 mm[.118 in] .198 in
Actuator Length	1.52 mm[.06 in]

Usage Conditions

Operating Temperature Range	-35 – 85 °C
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Packaging Features

Packaging Method	Loose Piece
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

Solder Process Capability

Wave solder capable to 265°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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 4-1437565-2
FSM4JSMATR=TACT SWITCH 6X6MIL



TE Part # 2-1825910-7
FSM14JH=6MM TACT SWITCH, HIGH TEMP



TE Part # 3-1437565-0
FSM2JSMATR=ON T/R




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



TE Part # 1825910-6
FSM4JH=6MM TACT SWITCH, HIGH TEMP

Also in the Series | Alcoswitch FSM



Tactile Switches(51)

Customers Also Bought



TE Part #650405-5
150 EURO TYPE C RECEPT ST ASSY



TE Part #2119538-1
CCII 1.5MM PITCH EMIX CONN 30-24 ASSY



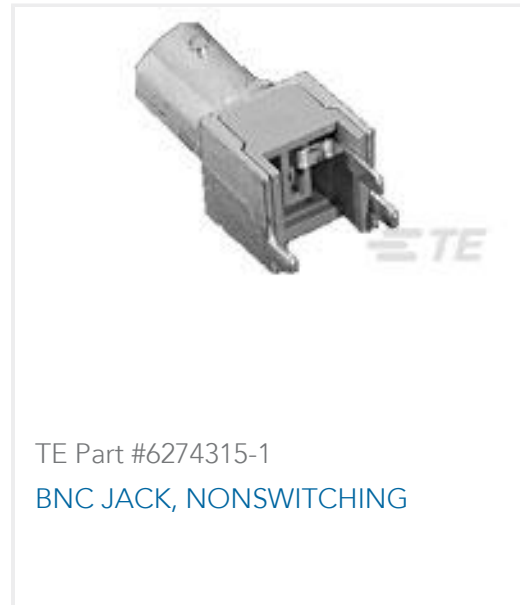
TE Part #SMI-1B-48-180-BMAP
Cal IntraSense, LS, 180cm, 3.3V



TE Part #6-2176251-8
CRGS2010 5% 390K



TE Part #L9000122-01
Antenna uSP PCB RPC 433MHz SMT T&R



TE Part #6274315-1
BNC JACK, NONSWITCHING



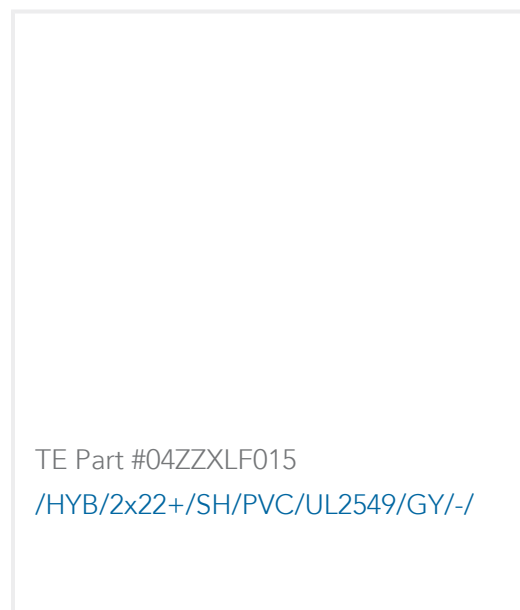
TE Part #2328461-1
280 POS., CONNECTOR ASSEMBLY, SLIVER 2.0



TE Part #2327678-6
RECEPTACLE ASSY, 84 P, VERT, SLIVER 2.0



TE Part #INTSE-1B-180-AP-5
INTRASENSE EVALUATION KIT



TE Part #04ZZXLF015
/HYB/2x22+/SH/PVC/UL2549/GY/-/

Documents

Product Drawings

FSMH=3.5 X 6.0 X 5.0 TACT SWITCH, HT

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1825965-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1825965-1_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1825965-1_A.2d_dxf.zip](#)

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



[SWITCHES_CORE_PROGRAM_CATALOG](#)

English

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