

1977738-2 ✓ ACTIVE

[Alcoswitch](#) | [Alcoswitch Blue Series](#)

TE Internal #: 1977738-2

Alcoswitch Blue Series, Push Button Switches, Single Pole - Double Throw / Single Pole - Double Throw Configuration (Pole-Throw), Switch / Switch

[View on TE.com >](#)



Relays, Contactors & Switches > Switches > Push Button Switches



Configuration (Pole-Throw): **Single Pole - Double Throw**

Product Type: **Switch**

Number of Actuators: **Single**

Actuator Profile: **Extended**

Bushing Style: **Threaded**

Features

Product Type Features

| | |
|----------------|------------------------|
| Switch Type | Pushbutton |
| Dust Proof | No |
| Product Type | Switch |
| Illuminated | No |
| Actuator Style | Cap - Order Separately |

Configuration Features

| | |
|----------------------------|----------------------------|
| Ganged | No |
| Panel Cutout Size | 6.5 (Diameter) mm[.256 in] |
| Configuration (Pole-Throw) | Single Pole - Double Throw |
| Number of Actuators | Single |
| Snap Action | With |
| Tactile | No |
| Operating Function | On (On) |

Electrical Characteristics

| | |
|----------------|--------|
| Voltage Rating | 30 VDC |
|----------------|--------|

Body Features

| | |
|-------------|---------------|
| Boot Color | Black |
| Guard Color | Chromed Brass |



| | |
|---------------------|----------------------------|
| Cap Color | Black |
| Seal Type | Epoxy |
| Case Material | Epoxy Resin |
| Actuator Material | Nickel-Plated Copper Alloy |
| Actuator Profile | Extended |
| Bushing Style | Threaded |
| Bushing Thread Size | 1/4-40 |
| Actuator Color | Natural |

Contact Features

| | |
|---------------------------------|-------|
| Contact Base Material | Brass |
| Contact Current Rating | .06 A |
| Switch Contact Plating Material | Gold |

Termination Features

| | |
|------------------|-----------------|
| Termination Type | Printed Circuit |
|------------------|-----------------|

Mechanical Attachment

| | |
|--------------------------|----------|
| Attachment Method | Screw-On |
| Mounting Angle | Vertical |
| Screw & Hole Thread Size | 1/4-40 |
| Mounting Type | Panel |

Housing Features

| | |
|----------------|----|
| Low Profile | No |
| Process Sealed | No |

Dimensions

| | |
|-----------------|-------------------|
| Cap Height | 8 mm[.315 in] |
| Actuator Length | 8 mm[.315 in] |
| Button Width | 2.8 mm[.11 in] |
| Bushing Length | 8 mm[.315 in] |
| Cap Diameter | 10.01 mm[.394 in] |

Operation/Application

| | |
|--------------|---------|
| For Use With | C22 Cap |
|--------------|---------|

Packaging Features

| | |
|------------------|------|
| Packaging Method | Bulk |
|------------------|------|



Product Compliance




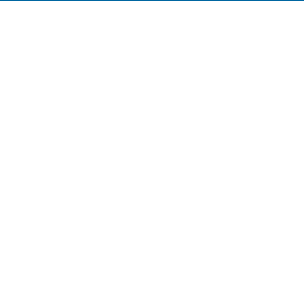
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Yet Reviewed |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| 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: JUN 2020 (209) Candidate List Declared Against: JUN 2016 (169) 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

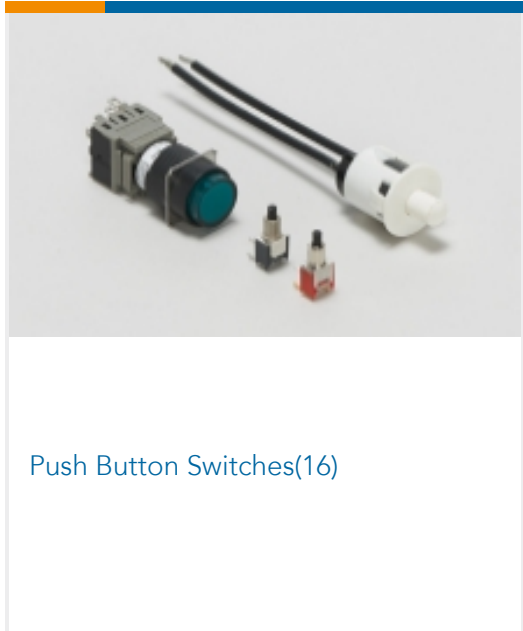
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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

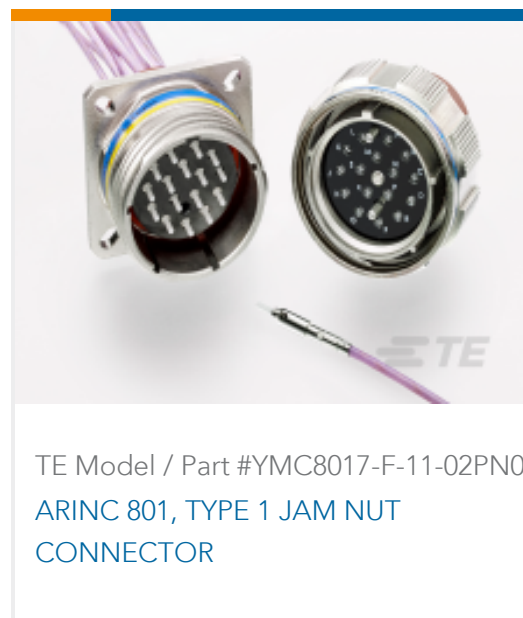
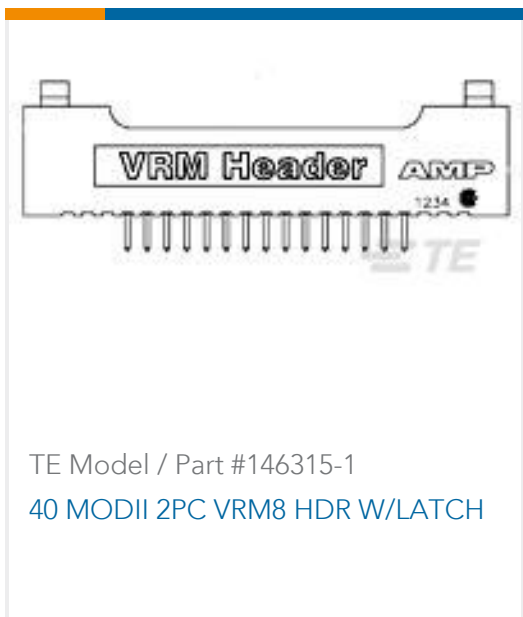
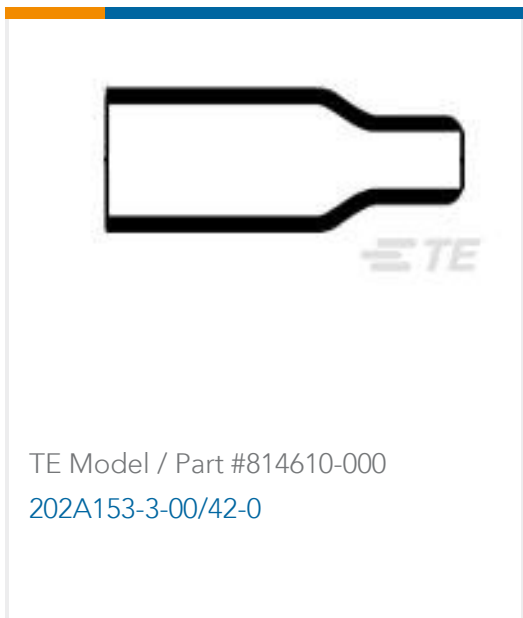
| | | | |
|---|--|---|---|
|  <p>TE Model / Part # 1977740-2 MPS103FPC PSHBTN SPDT MMNTRY</p> |  <p>TE Model / Part # 1977740-1 MPS103DPC PSHBTN SPDT</p> |  <p>TE Model / Part # 1977738-3 MPS2004NPC PSHBTN 0.4VA DPDT</p> |  <p>TE Model / Part # 1977391-2 SLIDE SW, SPDT R/A KINKED BOARD LOCK, AU</p> |
|---|--|---|---|



Also in the Series | Alcoswitch Blue Series



Customers Also Bought





Documents

Product Drawings

[MPS1004FPC PSHBTN 0.4VA SPDT M](#)

English

Datasheets & Catalog Pages

[8-177346-1_ALCOSWITCH_BLUE_PUSHBUTTON](#)

English