1825100-7 ✔ ACTIVE

ALCOSWITCH | ALCOSWITCH TPF

TE Internal #: 1825100-7

General Purpose Push Button Switch, Single Pole - Double Throw Configuration (Pole-Throw), Single Actuator, Extended Actuator, ALCOSWITCH TPF

View on TE.com >

Switches > Push Button Switches

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

Push Button Switch Product Type: **General Purpose Push Button Switch**

Number of Actuators: **Single**

Actuator Profile: **Extended**

Bushing Style: **Threaded**

Features

Product Type Features

Switch Connection Type	Printed Circuit
Push Button Switch Product Type	General Purpose Push Button Switch
Illuminated	Without
Actuator Style	Round Actuator

Configuration Features

Panel Cutout Size	6.5 (Diameter) mm
Configuration (Pole-Throw)	Single Pole - Double Throw
Number of Actuators	Single
Snap Action	Without
Support Bracket	Without
Switch Feedback Type	Non-Tactile
Operating Function	Momentary

Electrical Characteristics

Contact Current Rating	.4 A
Operating Voltage Range	20 VDC

Body Features

Case Material	Polyester
Sealing Method	Terminal Seal (Epoxy)

Actuator Material	Thermoplastic
Product Orientation	Vertical
Actuator Force	50 – 400 g[1.77 – 14.11 oz]
Actuator Profile	Extended
Bushing Style	Threaded
Bushing Thread Size	1/4-40
Actuator Color	Black

Contact Features

Contact Base Material	Copper Alloy
Switch Contact Plating Material	Gold over Nickel

Termination Features

Termination Method to PCB	Through Hole - Solder

Housing Features

Low Profile	No
Process Sealed	No

Dimensions

Button Width	3.35 mm[.132 in]
Actuator Length	4.32 mm[.17 in]

Usage Conditions

Operating Temperature Range	-30 – 65 °C[-22 – 149 °F]

Packaging Features

Packaging Method	Bulk

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold:

	Pb (3.7% in 6715231668) DCP (1.1% in 6715231680) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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.

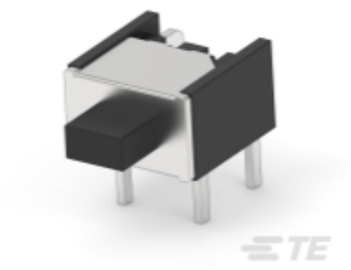
Compatible Parts

TE Part # 1437571-4
TP11CGPC0=SWITCH P/B N/O BLACK

TE Part # 1825095-1
TP11CGPC004

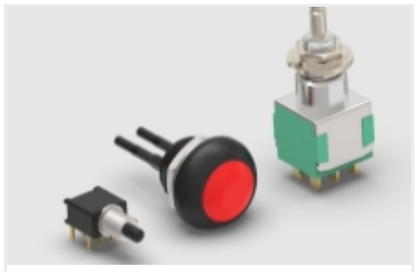
TE Part # 7-1437571-7
TPB11FGVRA0=TINY PUSHBUTTON

TE Part # 1825095-2
TP11CGPC204



TE Part # 1825095-3
TP11CGRA004

Also in the Series | ALCOSWITCH TPF



General Purpose Push Button Switches (13)

Push Button Switches(13)

Customers Also Bought

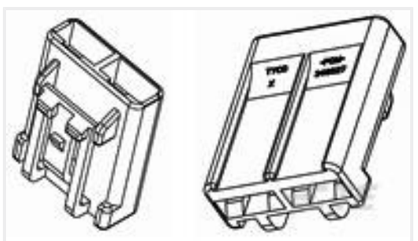
TE Part #31812
TERMINAL,SOLIS R 4 3/8

TE Part #66107-4
III+ PIN,26-24,30AU/FL,LP

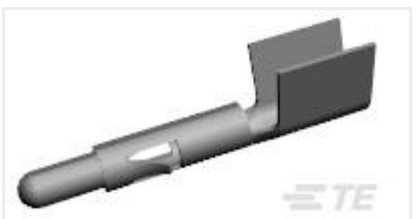
TE Part #160366-2
FF 110 SR. REC 22-20AWG TPBR

TE Part #326103
TERMINAL,AMPOWER 500MCM 3/8

TE Part #326105
TERMINAL,AMPOWER 500MCM 1/2



TE Part #346027-1
FASTIN FASTON HOUSING RECEPTACLE



TE Part #640309-6
UMNL PIN 12-10 AU/PHBZ

TE Part #794226-1
MINI UMNL2 PIN 26-22 AWG SN LP

TE Part #1490413-3
HYP10 SOLIS 4AWG NEST

TE Part #11032561-00
44003RC,THERM,ROHS

Documents

Product Drawings

TPF11FGPC004

English

CAD Files

Customer View Model

ENG_CVM_CVM_1825100-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1825100-7_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1825100-7_B.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

TP Series Data Sheet

English