

MULTIMEC™ 3E



Multimec™ 3E series switches have a hole in the switch body for mounting caps. This switch series is used for mounting Varimec™ caps. There are 2400 options in the Varimec™ range.

Caps that can be mounted on Multimec™ 3E: Foilmec™ 1Y and Varimec™

MAIN FEATURES


- h=6.4 mm
- 10 x 10 mm
- Momentary NO
- IP67 sealing
- 10,000,000 cycles
- SMD, TH or through-hole RAS

 REQUEST FORM

0820 20 30 10

 Monday – Friday 9am to 5pm
 - Central European Time

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 3D FILE

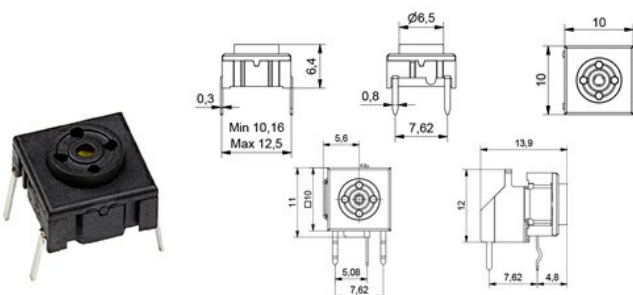
 DATASHEET

360° PRESENTATION

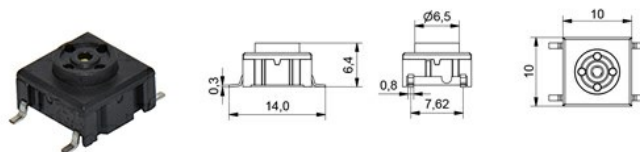


MORE INFO

ERGONOMICS 1



ERGONOMICS 2



FEATURES

GENERAL SPECIFICATION

- Through-hole (TH) or surface mount (SMD) or right angle through-hole
- 50 mA / 24 VDC
- Single pole/momentary
- 10,000,000 operations lifetime
- Temperature range: -40/+160 °C
- IP67 sealing
- Actuation force: 3.5 N

ENVIRONMENTAL SPECIFICATIONS

- Working temperature: -40/+160 °C
- Storage temperature: -40/+160 °C
- Soldering(TH): IEC 68-2-20
- Soldering (SMD): JEDEC J-STD-020C
- ENVIRONMENTAL ENDURANCE IEC 68-2-3
- Temperature: +40 °C
- Humidity: 93% RH
- Duration: 56 Days
- TEMPERATURE CYCLING IEC 68-2-14
- Temperature limit: -55/+85 °C

ELECTRICAL SPECIFICATIONS

- Contact resistance: <30 m Ω - typ. 10 m Ω
- Insulation resistance: >10 M Ω
- Recommended load:
Silver: 0.5 - 50 mA 24 VDC
Gold: 0.5μ - 50 mA 24 VDC
- Contact bounce: <2 mS - typically 0.5 mS



Callback request

- Number of cycles: 200
- Exposure time at each temperature: 10 min
- Recovery time before measurements: 16 hrs
- Sealing IEC 529: IP67

MATERIALS

- Housing: PPS UL94V0
- Actuator: PPS UL94V0
- Sealing + spring: Silicone rubber
- Contact spring: Silver: Stainless steel (+ 3μAg)
Gold: Stainless steel (+ 1μAu)
- Fixed contacts: Silver - SnCu + 2μNI + 3μAg
Gold - SnCu + 2μNI + 1μAu
- Terminals: SnCu + 2μNI + 3μSn100

MECHANICAL SPECIFICATIONS

- Standard actuation force: 3.5 N typ
- Max. Actuation force: 100 N for 10 sec
- Key travel: 1 mm
- Lifetime: >10,000,000



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