

Metal Enhanced Capacitive keypads

Metal keypads for custom products • Enhanced technology between capacitive technology and mechanical push



DISTINCTIVE FEATURES

Metal front frame (stainless steel 316L)

18 mm round keys : number/position, Illumination & marking customisable

Robust & Sealed

Multi keys & Long press

Long life : “metal capacitive”



ENVIRONMENTAL SPECIFICATIONS

- Operating temperature : -30 °C to +70 °C
- Storage temperature : -40 °C to +85 °C
- Sealing IP65 according to IEC 60529, IP67 panel according to IEC 60529
- Salt spray : IEC 68-2-11 test Ka 35 °C 96 h
- Flame resistance according to UL94 HB method
- Abrasion performance Taber 5900
- UV resistance : 750 h NF-EN-ISO4892-2 method A cycle 1
- Chemical resistance : wide variety detergents and solvents



ELECTRICAL SPECIFICATIONS

- Electrical function : Discrete, or based on customer specification (CAN, USB, ...)
- Operating supply voltage with voltage regulation : 9 V-36 VDC



GENERAL SPECIFICATIONS

- Operating force : 13 +/- 2 N
- Travel : < 0,5 mm
- Mechanical life : 2 million cycles
- Finger guide thickness : 2 mm

The company reserves the right to change specifications without notice.



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MATERIALS

- Front overlay and finger guide : stainless steel 316L

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.



EXTRA FEATURES AVAILABLE ON REQUEST

- Dimensions
- Layout /marking
- Illuminated Halo (color, blinking, ...)
- Back material /cover
- Mechanical Fixations
- Contact : normally close or long press detection
- Outputs : Communication protocol, Cable and Connector