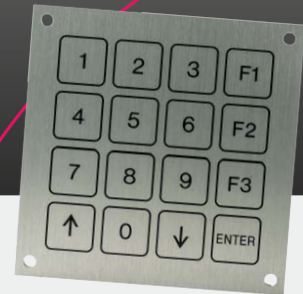


KBF11

Touch Metal Piezo Keypad



Touch Metal 3x4 Piezo Keypad

Description

Touch Metal 4x4 Piezo Keypad, front mounted measuring 93X93mm with 4mm mounting holes. Metal housings are machined, one piece construction and 9mm thick with permanently anodized graphics and completely potted. Connection is via flat cable or pins and standard output is matrix or common bus.

Approvals

- MIL-STD - 810C, 202E, 461B, 462
- CE - EVERSWITCH products comply with Directives
- 2006/95/EEC for low voltage components.
IP Rating – IP69K Compatible with IEC 60529; EN 60529
- EMC: Directive 2004/108/EWG

Characteristics

- Function: 16 Momentary keys
- Configuration: Matrix / Common Bus
- Proven reliability: Tested for 50,000,000 cycles
- Weatherproof: For use in harshest outdoor conditions
- Touch Activated: Operable with gloves, tools, etc.
- Sterilizable: Wash down proof up to 100 BAR
- Vandal Resistant: For use in high traffic and abusive areas
- Zero power required for keypad operation
- Eliminates RFI, EMI and ESD issues
- Five year warranty

Customized Options

A wide range of design options are available: connectors, key function (continuous, toggle, slide types), current rating (up to 10A), graphics, mounting and housing dimensions and materials. We offer RS-232, RS-485, USB and other data outputs. Keypads can be modified to include displays, LEDs, data ports, card readers, cameras, buzzers, etc.

References

KBF22

TECHNICAL DATA

Electrical Data

| | |
|-------------------------|------------------------|
| Key Function | N.O. Momentary |
| Key Voltage | 0-24V AC/DC |
| Switch Current | 0.2A std (0.5A option) |
| Rated Breaking Capacity | 1W |
| Operating Cycles | >50,000,000 |
| Switch Resistance OFF | > 5 MΩ |
| Switch Resistance ON | < 20 Ω |
| Capacity | 30 pF |

Mechanical Data

| | |
|-------------------|---------------------------------|
| Housing Materials | Aluminum 6061 T651 |
| Housing Method | Machined one piece construction |
| Actuating Force | 3-5 Newton |
| Connection | Flat cable/pins |
| Actuating Travel | 0.002 mm |
| Shock Protection | IK 06 |

Environmental Data

| | |
|-----------------------|----------------|
| Operating Temperature | -40 to +125 °C |
| Storage Temperature | -40 to +125 °C |
| IP-Protection | IP69K |