

KBA11

Touch Metal Piezo Keypad



Touch Metal 3x4 Piezo Keypad

Description

Touch Metal 3x4 Piezo Keypad, front mounted measuring 73x93mm 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: 12 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

KBA22, KBA33, KBA44

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	> 10 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 (none)
Shock Protection	IK 06

Environmental Data

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