



Rugged Membrane Keypad with Aluminum Back Support

P/N.KIPL 22-5986

Key Highlight

- Rugged membrane keypad designed for industrial and defense use
- Long life of up to 2 million key operations
- Aluminum back plate for enhanced strength and durability
- Ip67 protection suitable for harsh environmental conditions

Production Information

The Rugged Membrane Keypad (MPN: 23-5986) from Keetronics is engineered to deliver dependable user input in demanding industrial and defense environments. Backed by over 32+ years of experience in advanced input device design, Keetronics develops keypads that meet stringent reliability and durability requirements.

This keypad operates on 3.3V or 5V DC and features a long operational life of up to 2 million key actuations. Designed to withstand harsh environmental conditions, it supports wide operating temperature ranges and high humidity levels. An aluminum backing plate provides strong mechanical support, enhancing rigidity and long-term reliability. With IP67 protection (to be validated by the customer), precise actuation force, and tight dimensional tolerances, this keypad is well suited for battlefield equipment, rugged electronics, and mission-critical user interfaces.

Technical Specifications

Operating Voltage	3.3V / 5V DC
Contact Resistance	50 Ohms
Contact Bounce	20 ms
Life Expectancy	2 million operations
Actuation Force	250–300 grams
Dimensional Tolerance	±0.2 mm
Tail Length	135 mm
Back Support	Aluminum reinforcement plate
Operating Temperature	–20°C to +70°C
Humidity Resistance	95% RH at 40°C for 48 hours
Degree of Protection	IP67 (test to be conducted by customer)
Mounting	Adhesive-based panel mounting with defined pasting instructions