Vandal Resistant Keypad

Overview

Except smart card reader/writer, SUNZone TEK has also developed a standard product line of keyboards/keypads, pin pad and POS terminal. These products are used in kiosks, ATM's and many other applications. Any of these standard products can be customized with legends, colors etc.

The flush fitting SUZP186-MA11 Keypad combines robust vandal resistance with an attractive design to meet the most demanding of today's concepts and specifications, in a wide range of applications from public services to specialist use in heavy duty environments and adverse weather conditions.

The SUZP186-MA11 keys have a positive 'click' feel and operate a matrix connected polydome membrane switch unit (other terminations are available). See overleaf for connector pin out details.

- Vandal resistant PINPad
- Upgrade kit for existing vending sites
- Long-life and low-cost solution
- Easy integration options
- Meets disability Act requirements

SUZP186-MA11

Construction

The 16 keys are fitted in a 2.0mm stainless steel faceplate bolted to a polycarbonate body housing the membrane switch unit. The stainless steel keys and faceplate have a horizontally linished finish.The individual keys are sealed and water resistant. An optional gasket is available to seal the SK11 to the client's structure. The SUZP186-MA11 mounting flange will accommodate panel thickness up to 6.35mm max. An industry standard 0.1 in pitch female 8 way connector is provided to interface with client equipment. Connection of the faceplate to earth is made by one of the weld studs. The shallow depth SUZP186-MA11 keypad can be supplied loose or incorporated into a stainless steel panel with a linished finish and etched and painted legends. For aperture and weld stud details see overleaf.

Specification

Mechanical	
Key Movement	1.0mm nominal
Key Operating Pressure	4N nominal
Keypad Weight	480g
Environmental Protection	IP66 and IP67
Working Temperature	-22℃to +60℃
Dimension	118.0 x 134.0 x 20.0mm (H x W x D)
Membrane Electrical	
Membrane Contact Rating	0.1ma-50ma
Voltage	1.5V DC minimum-30V DC maximum
Switch Power	0.5 watt maximum
Contact Bounce	20ms maximum
Dielectric Strength	110V rms for 1 minute
Insulation Resistance	10M ohm at 40℃, 93% r.h
Contact Material	Solid silver conductive

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