



New England Keyboard, Inc.

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Quality Custom Keyboards

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Waterproof Panel Mount Keyboard with backlight option

Model NO.: NEK M270 FN



Description: 83 keys IP65 sealed, ruggedized, silicone rubber keyboard, tactile feel for fast and accurate data input, durable coating to protect text & anti-microbial keyboard surface will withstand most chemicals and cleaning fluids, 12 function keys, industrial PCB with carbon-on-gold key switch technology, optional adjustable industrial backlight included, NVIS back light optional
Dimensions: 300.0mm x 142.90mm x 22.90mm (L x W x H)

FEATURES

Optional NVIS-compliant red adjustable backlighting, makes this keyboard ideal for aviation or vehicle applications where night vision goggles are necessary.
Keyboard provides full-size versatility in a rugged, compact design, rugged construction for reliable functionality, liquids sealed to NEMA 4X, tactile response, key travel 1.5mm
multiple language versions available, PS/2, USB electronics and cable options are available.

APPLICATIONS

MEDICAL: lab, hospital, clinic, dental, carts, diagnostic equipments, operating will rooms, dialysis centers etc;

MATERIAL HANDLING: mobile keyboard, data entry, assembly line etc

INDUSTRIAL: Industrial automation, pharmaceutical, oil and gas, food and beverage, clean or dirty manufacturing environments, warehouses

VEHICAL: emergency responders, police, fire, ambulance, lowlight and NVIS goggle applications

MECHANICAL DATA

Key: 83 keys

Key Size: 12.0mm X 13.0mm for normal keys, 22.5mm x 13.0mm for enter key and 82.0mm x 12.5mm for space bar key.

Switch life: more than 10 million of operations.

Cable Length: 2.5m

G.W.: 0.80KGs

Dimensions: 270.0mm x 113.0mm(L x W)

ELECTRICAL DATA

Supply Voltage: +5V DC +/-5%

Current Rating: 30mA

EMC Standard: compliant with IEC 61000-4-2:2008 ; IEC 61000-4-3:2006+AI:2007+A2:2010 ; IEC 61000-4-4:2004

EMI: EN 55022: 2010

EMS: EN 55024:2010

Lifespan > 5 years

Switch Contact Material: Carbon-on-Gold key switch technology PCB.

Interface: PS2, USB, RS232, RS485 available

OS: All Windows, Linux, Unix, Mac OSX

ENVIRONMENTAL ADAPTABILITY

Operating temperature: -20° to +60°(industrial level) ; -40° to +85°

Storage temperature: -30° to +70° (industrial level) ; -55° to +150°

Humidity: 100%

Shock: 3x11 ms pulses of 50g on each of 3 axes

Vibration: power spectral density: 0.04g/Hz, frequency: 20Hz - 2kHz, duration per axis: 3 hours

Flammability printed circuit board: 94 VO, silicone keyboard: 94 HB, cable: 94 V

RELIABILITY

RoHS Compliant, CE and FCC, ESD

Water ingress: IP65(front surface when properly mounted)

Key Lifespan >10 million actuations

MTBF >50000H

MTTR <30min