



when reliability is critical™

Reliability and Specification Data
NEMA 4 (IP66) C900X Series Industrial Switchpad

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Industrial Switchpad Features

- Molded rubber elastomer keys (Gray or Black) rated for 10 million cycles
- Keys: 2mm travel with excellent tactile feedback
- Legends are silicon ink, oven cured, so as to thermally fuse the ink to the rubber
- Optional customized legends or elastomer color
- Made in the USA

Electrical

Power @ 5VDC, limit current to < 10mA.
Recommend at 5VDC, < 1mA.

Environmental

Operating Temperature -40°C to 80°C (standard)
Storage Temperature -40°C to 80°C
Relative Humidity 100% non-condensing (with "Z" option)

Sealing & Protection

Water Resistant NEMA 4 (IP66)
Protection Syn-Proof™ coating resists most oils and harsh chemicals
Optional Parylene® coating available

Reliability

MTBF Greater than 100,000 hours
Life PCB at recommended power level is 10,000,000+ activations
Syn-Proof™ coated Elastomer is up to 10,000,000 activations
Parylene coated Elastomer is 10,000,000+ activations
Keys Sealed "Hard" gold plated switch contacts

Shock

Peak, Pulse, waveform: 50g 11msec. half sine

Vibration

Frequency Displacement (inches)
5-25 Hz 0.1
25-55 Hz 0.03

Certifications/Compliance

Compliant with FCC class A and B regulations
"CE" classification option requires the following modifications:
a.) Shielded enclosure and shielded cable (made by customer)
Restriction of Hazardous Substances Directive or RoHS Compliant (Pb free)
ESD rated to 15KV