

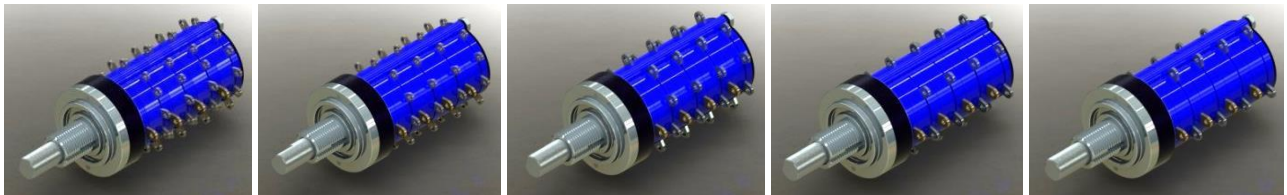


LAVI SYSTEMS, INC.

MIL-DTL-3786/4

Effective June 2013, Lavi Systems was granted qualification approval under MIL-DTL-3786/4 by the Defense Logistics Agency (DLA). Lavi Systems rotary switches are now listed on Qualified Parts List (QPL) 3786.

Lavi Systems rotary switches were designed and manufactured with the latest production techniques, machinery, and tooling available. Lavi Systems MIL-DTL-3786/4 rotary switches incorporate design elements not previously possible with other switch manufacturers' products.



30°
1 pole: 2-12 positions
2 pole: 2-6 positions
3 pole: 2-4 positions
4 pole: 2-3 positions
6 pole: 2 positions

36°
1 pole: 2-10 positions
2 pole: 2-5 positions

45°
1 pole: 2-8 positions
2 pole: 2-4 positions

60°
1 pole: 2-6 positions

90°
1 pole: 2-4 positions
2 pole: 2 positions

Available Custom Features

1. Isolated (pull/push-to-turn)
2. Concentric Shafts
3. Liner Detent (push-pull)
4. Momentary Spring Return
5. Containerized Switches

Electrical & Mechanical Requirements

- Altitude: 70,000 ft.
- Temperature Range: -65°C to +125°C
- Insulation Resistance: 1,000 megohms min
- Dielectric Withstanding Voltage: 1,000 VAC (atmospheric) & 450 VAC (reduced pressure)
- Contact Resistance: 10 milliohms max
- Continuous Current: 10 Amps @ 28VDC
- Make & Break: See Individual Data Sheets



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Environmental Requirements

Environmental Test

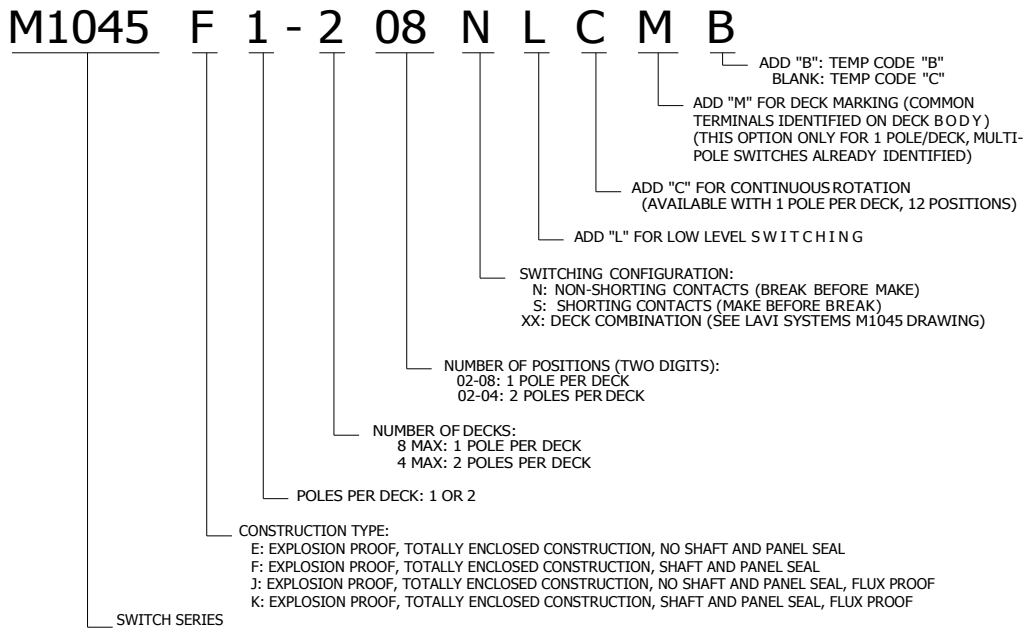
Explosion Proof
 High Impact Shock
 Medium Impact Shock
 Moisture Resistance
 Salt Spray
 Sand & Dust
 Thermal Shock
 Vibration

Qualified to Specification

MIL-STD-202, Method 109
 MIL-STD-202, Method 207
 MIL-STD-202, Method 213, Test Condition I
 MIL-STD-202, Method 106
 MIL-STD-202, Method 101, Test Condition B
 MIL-STD-202, Method 110
 MIL-STD-202, Method 107
 MIL-STD-202, Method 204, Test Condition B

How do you build an LSI MIL-DTL-3786/4 part number?

Configuring a rotary switch to meet the requirement of a particular application can be tricky. There are multiple ways to order an LSI MIL-DTL-3786/4 switch. For example, below is the part number code for the LSI 45° switch:



The other degrees of index options (30°, 36°, 60°, & 90°) have similar codes. Individual Interface Control Drawing can be provided by contacting Lavi Systems, or its associated manufacturing representatives.



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Another method of specifying switch requirements is by providing one of two part number codes detailed in MIL-DTL-3786/4:

