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## DPS and DPH Series Testing by UL

DPS and DPH Series enclosures have Passed testing to the test standards listed below. The test methods and results of the tests have been reviewed and found in accordance with the requirements in UL 508 A Standard for Industrial Control Panels.

### The following tests were conducted.

Test:	Test Standard:
Misalignment Test:	UL 50E, 1 <sup>st</sup> Ed. (Sec. 8.15)
Hose down Test (Type 4X)	UL 50E, 1 <sup>st</sup> Ed. (Sec. 8.6)
**Pressure Test (Type 6P submersion test 24 hours at 6 feet depth)	UL 50E, 1 <sup>st</sup> Ed. (Sec. 8.12)
Crushing Resistance Test	UL50, 12 <sup>th</sup> Ed., Sec. 8.10
Ball Impact Test (Cold Impact)	UL 746C, 6 <sup>th</sup> Ed., Sec. 22
Mold Stress Relief Distortion Test	UL50, 12 <sup>th</sup> Ed., Sec. 8.11
Pullout Test	UL50, 12 <sup>th</sup> Ed., Sec. 8.6.2
Torque Test	UL50, 12 <sup>th</sup> Ed., Sec. 8.6.3
Bending Test	UL50, 12 <sup>th</sup> Ed., Sec. 8.6.4
Oil Exclusion Test (Type 13)	UL 50E (Sec. 8.12)

### \*\*Type 6P qualify as IP68

**NEMA 6P:** Provides ingress and egress protection/Can withstand prolonged submersion

**IP68:** Lends total protection against water damage from submersion up to .49 ft (15cm) to 3.3 ft (1m)/Protects from dust ingress

### The following tests were waived.

Test:	Rationale for waived test:
5 in flame	Some plastics are 5 VA rated and one is V0 which was evaluated in a previous construction with same ratings.
UV Test	Plastics are rated F1
200 hour salt spray test	Use of 304 or 316 stainless steel parts or 60% copper brass inserts used in a previous construction with the same ratings.
Gasket Tensile Strength and Elongation Test and Gasket Oil Immersion Test	Tests conducted under R/C JMLU2 report