

## **Polycase ZH & ZQ Series Testing required for UL Listing**

Polycase ZH,ZQ Series enclosures have undergone 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 508A Standard for Industrial Control Panels.

The following tests were conducted.

<b>Test:</b>	<b>Test Standard:</b>
Misalignment Test:	UL 50E, 1 <sup>st</sup> Ed. (Sec. 8.15)
Hosedown 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)

The following tests were waived.

<b>Test:</b>	<b>Rationale for waived test:</b>
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