

# Accelerate market access with certifications for electrical enclosures

**Type Rating testing allows for certifications to globally recognized UL and C-UL Standards**

Enclosures fall under two different categories: cabinets and cutout boxes or junction and pull boxes. Cabinets and cutout boxes are defined by having a door or otherwise hinged portion of the enclosure that covers an opening. Junction and pull boxes utilize unhinged covers.



## **Performance reliability you can trust**

Performance reliability is essential in today's market and is what end users expect from manufacturers. Enclosures play a very important protection role in today's society, and their function concerning the safety of their use is paramount. It is critical to have the correct Type Rating for your end use application, and UL can help you minimize risk and maximize trust in the marketplace.

The UL Mark on an enclosure indicates that the product has been through rigorous testing and meets the requirements that are outlined in the Standards UL 50, Enclosures for Electrical Equipment, Non-Environmental Considerations and UL 50E, Enclosures for Electrical Equipment, Environmental Considerations.

## **Accelerate market access with UL Standards - UL 50 and UL 50E**

Gain the market access needed to compete globally while adhering to stringent safety regulations for enclosures with complete testing of enclosures to UL 50 and UL 50E Standards for indoor/outdoor Type Ratings. UL Type Ratings are designed to provide a degree of protection against hazards including but not limited to falling dirt; circulating dust, lint and fiber flying's; dripping or light splashing of liquids; rain; snow; and hose-directed water.

Utilizing UL's global network of labs and technical experts, we can provide testing for:

- a) Enclosures for indoor locations, Types 1, 2, 5, 12, 12K, and 13.
- b) Enclosures for indoor or outdoor locations, Types 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 6, and 6P.



## Type Ratings: Protection from the Environment

Location	Type	Degree of Protection														
		Access to Hazardous Parts	Falling Dirt	Settling Dust, Lint, Fibers, and Flyings	Circulating Dust, Lint, Fibers, and Flyings	Windblown Dust	Dripping and Light Splashing of Water	Rain, Snow, and Sleet	Hose-Directed Water	Temporary Submersion in Water	Prolonged Submersion in Water	External Formation of Ice	Mechanisms Operable when Ice Laden	Oil Seepage	Oil Spraying and Splashing	Increased Protection Against Corrosion
Indoor	1	X	X													
	2	X	X				X									
	5	X	X	X			X									
	12	X	X	X	X		X							X		
	12K	X	X	X	X		X							X		
	13	X	X	X	X		X							X	X	
Indoor/Outdoor	3	X	X	X	X	X	X	X			X					
	3X	X	X	X	X	X	X	X			X					X
	3R	X	X				X	X			X					
	3RX	X	X				X	X			X					X
	3S	X	X	X	X	X	X	X			X	X				
	3SX	X	X	X	X	X	X	X			X	X				X
	4	X	X	X	X	X	X	X	X			X				
	4X	X	X	X	X	X	X	X	X			X				X
	6	X	X	X	X	X	X	X	X	X		X				
6P	X	X	X	X	X	X	X	X	X	X	X				X	

### Why choose UL?

UL drives global research and standards to continually advance and meet ever-evolving product safety, performance and interoperability needs. UL's global network of technical experts and state-of-the-art facilities, along with our longstanding relationships with regulatory authorities, partner laboratories and industry technical leaders, helps manufacturers gain the compliance credentials they need to compete in a more complex global supply chain.

**Knowledge You Can Trust** – our experienced staff will advise you from the initial design stage of product development through testing and production. Our experts can assist you in understanding the certification requirements for your specific markets.

**Speed & Efficiency** – our cost-effective systems and state-of-the-art facilities cut through the red tape and help accelerate your time to market.

**Single Source Provider** – UL meets all of your compliance needs and, by bundling safety, performance and interoperability services, also helps save you valuable time and money.

**Global Reach & Access** – our global network of expert engineers helps you understand the various national and global requirements for your specific market application.

For more information, call 1-877-UL-HELPS, email: [IndustrialQuote@ul.com](mailto:IndustrialQuote@ul.com) or visit [UL.com](http://UL.com)



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