

Clarification on NEMA vs UL

It is important to distinguish the difference between two of the leading organizations for safety standards. Enclosures and cabinets are often listed with National Electrical Manufacturers Association (NEMA) and/or Underwriters Laboratory (UL) ratings. These ratings are based on similar application descriptions and guidelines, however, the primary difference is that NEMA does not require independent testing, leaving compliance entirely up to the manufacturer. NEMA and UL work closely to develop standards and while the UL standard uses the same Type numbers, they require enclosures to be tested by qualified evaluators while NEMA does not. **Our GracePort® housings that have been independently verified by UL also meet compliance with NEMA by our own compliance standards.** If you're looking for a programming port on a cabinet or enclosure with a NEMA or UL rating, we've got you covered. *Both standards are widely used in North, Central and South America.*

** M9 Housing lid retention screws not required.*



Actual product certification will vary with component selection.

SOLIDS

LIQUIDS

CHEMICALS

NON- HAZARDOUS LOCATIONS											
Indoor						Indoor/Outdoor					
											
UL Type 1*	UL Type 2	UL Type 5	UL Type 12	UL Type 12K	UL Type 13	UL Type 3	UL Type 3X	UL Type 3R	UL Type 3RX	UL Type 4	UL Type 4X
 Incidental Contact	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 Falling Dirt	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 Circulating Dust			✓	✓	✓					✓	✓
 Settling Airborne Dust			✓	✓						✓	✓
 Windblown Dust						✓	✓			✓	✓
 Light Splash		✓	✓	✓	✓					✓	✓
 Hosedown and Splash					✓					✓	✓
 Rain, Snow and Sleet						✓	✓	✓	✓	✓	✓
 Oil and Coolant Seepage			✓	✓	✓						
 Corrosion									✓		✓