

NEMA Enclosure Type Descriptions

The descriptions below provide general information on NEMA Enclosure Types. For more complete information including other NEMA Types, see NEMA Standards Publication 250-1997, “*Enclosures for Electrical Equipment (1000 Volts Maximum)*”. This is available on the National Electrical Manufacturers Association website, <http://www.nema.org>.

Type 4 enclosures are constructed for indoor or outdoor use and protect individuals from incidental contact with the components inside the enclosure. They protect the equipment from falling or wind blown dirt, rain, sleet, or snow. They also protect against water splash or spray and will not be harmed by the formation of ice on the exterior. Type 4 enclosures are intended for non-hazardous locations.

Type 4X enclosures are constructed for indoor or outdoor use and protect individuals from incidental contact with the components inside the enclosure. They protect the equipment from falling or wind blown dirt, rain, sleet, or snow. They also protect against water splash or spray, *will not corrode*, and will not be harmed by the formation of ice on the exterior. Type 4X enclosures are intended for non-hazardous locations.

NEMA Types 4 and 4X are similar to IEC Classification IP56.