

# STARTER ENCLOSURES

---

## TYPE NEMA ENCLOSURE

1	General Purpose—Indoor
2	Dripproof—Indoor
3	Dusttight, Raintight, Sleettight—Outdoor
3R	Raintight, Sleet Resistant—Outdoor
3S	Dusttight, Raintight, Sleettight—Outdoor
4	Watertight, Dusttight, Sleet Resistant—Indoor & Outdoor
4X	Watertight, Dusttight, Corrosion-Resistant—Indoor & Outdoor
5	Dusttight, Dripproof—Indoor
6	Occasionally Submersible, Watertight, Sleet Resistant—Indoor & Outdoor
6P	Watertight, Sleet Resistant—Prolonged Submersion—Indoor & Outdoor
12	Dusttight and Driptight—Indoor
12K	Dusttight and Driptight, with Knockouts—Indoor
13	Oiltight and Dusttight—Indoor

## HAZARDOUS LOCATION STARTERS

7	Class I, Group A, B, C or D Hazardous Locations—Indoor
8	Class I, Group A, B, C or D Hazardous Locations—Indoor & Outdoor
9	Class II, Group E, F or G Hazardous Locations—Indoor
10	Requirements of Mine Safety and Health Administration

## CONVERSION OF NEMA TYPE NUMBERS TO IEC CLASSIFICATION DESIGNATIONS

(Cannot be used to convert IEC Classification Designations to NEMA Type Numbers)

NEMA ENCLOSURE TYPE NUMBER	IEC ENCLOSURE CLASSIFICATION DESIGNATION
1	IP10
2	IP11
3	IP54
3R	IP14
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

Note: This comparison is based on tests specified in IEC Publication 60529 (2001-02).  
Reference: Information in the above tables is based on NEMA 250-1997.