

Tech Tip: iSeries Connectors and IP Ratings

VPC's iSeries connectors were evaluated according to the IEC 60529 standards and are displayed in the table below. According to the IP rating schema, the standard iCon and i1 will provide protection against objects larger than 50mm from hazardous parts, but is not protected against the harmful ingress of water. The i2 Micro iCon provides protection against fingers and objects larger than 12.5 mm from accessing hazardous parts and is not protected against harmful water ingress.

The EMI versions of these connectors provide protection against the entry of a sufficient amount of dust to interfere with operation of equipment, but are not protected against the harmful ingress of water.

All connectors in the iSeries fall into the category of type 1 NEMA 250 enclosure rating, which specifies use as for indoor only.

Connector	Standard Version	EMI Version	Nema 250 Enclosures
iCon	10	50	Type 1
i1	10	50	Type 1
i2 Micro iCon	20	N/A	Type 1
i2 MX	50	50	Type 1

See next page for the full IP Rating Chart.

Tech Tip: IP Rating Chart

Protection provided by enclosures for electrical equipment is indicated by the IP codes two:

CHARACTERISTIC NUMERALS

