



### Amphe-309

#### BACKGROUND

To install or maintain the equipment purchased from OEMs, plant or MRO staff require power connectors compliant to IEC 60309 standards.

#### PROBLEM

IEC 60309-2 defines general industrial power connectors that are easy and safe in operation, reliable construction and performance. The highest voltage allowed in the standard is 690 V DC or AC; the highest current, 125A; and the highest frequency, 500 Hz. The temperature range is  $-25^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ . The connectors need to function well in a typical industrial environment with humidity, vibration, oil, dirt and corrosion.

#### AIO SOLUTION

Amphe-309 connectors are built to IEC 60309 -2. To enhance operator safety, the products have a positive locking feature that stops accidental withdrawal or insertion of the pin while under load, plus a color-coding system that matches amperage and voltage requirements. Screw type termination of cables makes the installation and disconnection of the cables quick and easy.

Voltages ranges are available in 100-13V, 200-250V, 380-480V, 500-690V. Highest current is 125A. Thermoplastic shells enable the products to function well in oil and corrosive environments. Both IP 44 for water splash-proof and IP 67 for waterproof are available.

