

EPIC® Pin & Sleeve Connectors

Technical Data: Key Features

KEY FEATURES:

MULTIMAX:

- Patented click-lock housing
- Patented integral cable grip with shade ring locking device
- Patented universal membrane seal
- High copper, solid brass contacts

CEE Series:

- Integral cable clamp
- Peelable neoprene grommet
- PG threaded cable gland
- Stainless steel assembly screws
- High copper, solid brass contacts with nickel plated male pins

Common Features:

- Tough Type 6 Nylon Housing
- Make first/break last ground contact
- Voltage polarized contacts and color coded housings
- Conformance to IEC 60309-1, -2; UL 1682 and 1686 approved.

ELECTRICAL:

Dielectric Voltage Withstand	Up to 3000 volts for 1 minute
Maximum Working Voltage	600 volts (North American); 690 volts (International)
Insulation Resistance	5 megohms minimum
Overload	150% rated current at rated voltage for 50 make/break cycles
Current Interrupting / Load Breaking	Tested to 125% rated current at 110% rated voltage per IEC 60309-1
Conditional Short Circuit Current	clause 20
Endurance, Connect and Disconnect Cycles	10k amps at rated voltage per IEC 60309-1 clause 29
See Table 2	
Ground Path Current	See Table 1

MECHANICAL:

Impact Resistance (-25°C for 6 hours)	Per UL 1682 Section 34 and IEC 60309-1 Clause 24
Crush Resistance (-25°C for 6 hours)	250 pounds for 1 minute
Withdrawal Force	See Table 4
Cable Secureness	See Table 3
Polarization Integrity	Maintained by oversized ground pin and "clock key"
Wire Size Accommodation	See Table 6
Cable OD Accommodation	See Table 5

ENVIRONMENTAL:

Operating Temperature Range	Plugs, Connectors, Outlets, Inlets: -25° to +70° C Interlocked Switch Outlets: -40° to +70°C
Flammability (self-extinguishing)	• Contact Holders 20A & 30A (16A & 32A): Glow Wire 850°C (UL94-V2) • Contact Holders 60A & 100A (63A & 125A): Glow Wire 960°C (UL94-V0) • Other components: Glow Wire 650°C • ULYSSE Interlocked Switch Outlet Housing: Glow Wire 960°C (UL94-V0)
Moisture Resistance	• MULTIMAX: IP44 (Indoor Splash Proof) • CEE Series: IP44 (Indoor Splash Proof); IP67 (Indoor/Outdoor Watertight) • ULYSSE: IP66 & IP67 (Indoor/Outdoor Watertight) • ALUPRES: IP55 & IP65 (Indoor/Outdoor Watertight)
Corrosion Resistance	External screws and cover springs are stainless steel. Contact pins for CEE Series are nickel plated brass
Chemical Resistance	Resists standard industrial hydrocarbons, acids, bases, and solvents
UV Resistance	Exposed plastic materials are UV stabilized

ALL ABOVE DATA, WHERE APPLICABLE, ARE ACCORDING TO "IEC 60309" STANDARD.