CSA Z462 Workplace Electrical Safety Standards apply to MCC's and switchgear and also to plugs & receptacles used to connect welders, pumps, and other portable equipment. Because many of the plugs and receptacles currently in service have accessible live parts and can be hazardous if connected or disconnected under load, users must either update their equipment or follow cumbersome safety procedures in order to comply with CSA Z462.

Replace existing plugs & receptacles with MELTRIC's Switch-Rated plugs & receptacles to simplify CSA Z462 compliance.

Avoid the dangers and hassles of traditional plugs & receptacles

Warning
Arc Flash Hazard
Most pin & sleeve and twist type devices are not intended to be connected or disconnected under load. Doing so may expose users to live contacts and arc flash hazards that can result in serious injuries.

Requirement
Costly Procedures
CSA Z462 requires verification that the power is OFF before most standard plugs & receptacles can be connected or disconnected. In many cases, this requires voltage testing by a 'qualified' worker wearing PPE.

Caution
Dangerous Work Practices
The expensive interlocks required to prevent standard plugs & receptacles from being connected or disconnected under load are completely defeated when workers use extension cords.

MELTRIC Makes it Easy

Replace existing plugs & receptacles with MELTRIC’s Switch-Rated plugs & receptacles to simplify CSA Z462 compliance.

Integral OFF Button
Ensures safe load make & break. CSA listed for ‘Branch Circuit Disconnect Switching’ and ‘Motor Circuit Disconnect Switching’ per UL Subject 2682 ‘Switch Rated Plugs & Receptacles’.

Dead Front
Safety shutter prevents exposure to live parts. Minimizes PPE requirements.

Z462 Requirement: Proof of Deenergization
Separated plug and receptacle provides visual verification of equipment deenergization.

meltric.com
MELTRIC Switch-Rated plugs & receptacles are designed to isolate the making and breaking of the contacts in enclosed arc chambers, ensuring that the plug contacts are safely deenergized and isolated from live parts before the plug can be removed.

When a MELTRIC device’s ‘OFF’ button is pushed, its spring-loaded operating mechanism instantly opens the contacts to break the circuit and ejects the plug to the ‘OFF’ position. The quick breaking of the contacts (15 milliseconds) minimizes arcing; any that does occur is safely contained within the arc chamber.

DS and DSN Series plugs and receptacles have safety shutters that automatically close over the receptacle contacts before the plug can be removed. This ensures that users have no access to live parts or exposure to arcing at any time during or after the removal of the plug.

The safety shutter can only be opened by the insertion and rotation of an electrically compatible plug. Different keying arrangements are used to ensure that only electrically compatible plugs can be inserted into a receptacle.