

# Update your Plugs & Receptacles to Ensure Arc Flash Protection & 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.

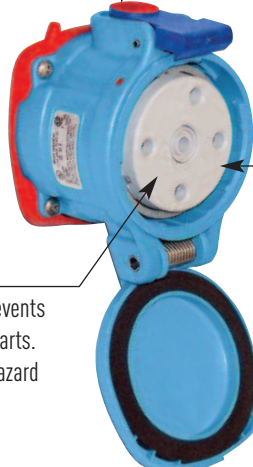
CSA Z462 Workplace Electrical Safety Standards apply to MCC's and switchgear and also to plugs & receptacles used to connect welders, pumps, and other portable equipment. Because many of the plugs and receptacles currently in service have accessible live parts and can be hazardous if connected or disconnected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

## Meltric Makes it Easy

Replace existing plugs & receptacles with Meltric's **DECONTACTOR™** Series **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. Maintains Z462 Hazard Risk Category = 0

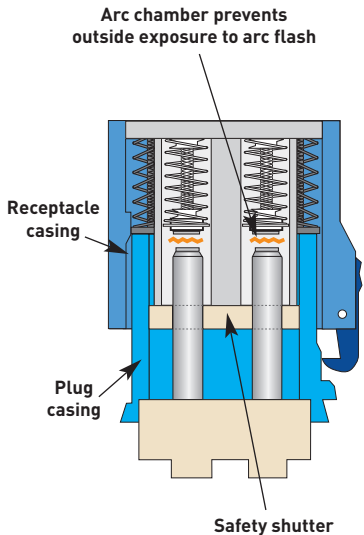


### Z462 Requirement: Proof of Deenergization

Separated plug and receptacle provides visual verification of equipment deenergization

# The DECONTACTOR™ Advantages

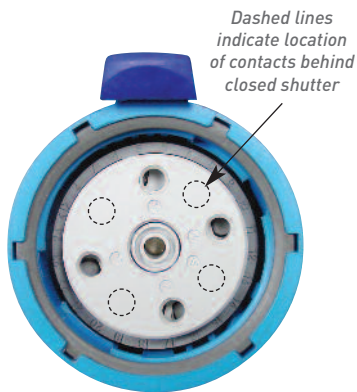
## Enclosed Arc Chambers



Meltric Decontactors 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 Decontactor'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.

## Safety Shutter



DECONTACTOR safety shutters block access to live receptacle contacts

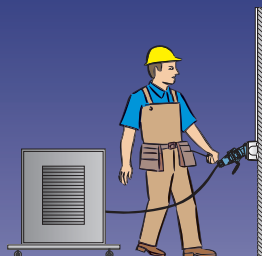
DS and DSN Series Decontactors have safety shutters that automatically close over the receptacle contacts before the plug can be removed. This ensures that users have no access to live parts or exposure to arcing at any time during or after the removal of the plug.

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.

## CSA Compliance

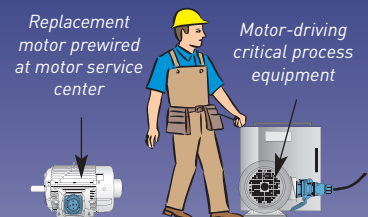
### Easily Comply with CSA Z462

The receptacle's dead front and the elimination of potential arc flash exposure ensures the electrically safe work condition required to comply with CSA Z462. With Decontactors, the need for flash hazard analysis and the associated PPE is avoided.



### Reduce Equipment Change-out Time

With Decontactor connections, non-electrical personnel can replace motors with plug & play simplicity.



Drawing an arc is possible with pin & sleeve devices



**Don't let this happen to you!**

Other plugs & receptacles allow access to live parts



Pin & Sleeve Receptacle



Twist Type Receptacle