

WELDING PLUGS & RECEPTACLES

THE INDUSTRY'S SAFEST WELDING CONNECTION



SWITCH-RATED WELDING PLUGS & RECEPTACLES

The MELTRIC® Advantage Exclusive Switch-Rated Welding Safety

MELTRIC® devices incorporate two distinct safety elements in one design. A dead-front safety shutter isolates all live parts, removing the risk of electrical shock to operators. Additionally, an arc-flash chamber safeguards users, allowing them to safely disconnect even when under load. This design guarantees that users are protected from exposure to live parts and potential arc flash, at all times, while making and breaking connections.

With MELTRIC, Interlocks and PPE are NOT Needed



DECONTACTOR™ Technology

Spring-Assisted Screw Terminals

Exclusive design ensures "tighten and forget" confidence.

Spring-Loaded Butt-Style Contacts

Ensure superior performance.

Lid

Type 4X/IP69/IP69K.

OFF Button

Press to de-energize.

Casing

Impact, corrosion, and environmental resistance.

Lockout-Tagout Provisions

Easy LOTO.

Silver-Nickel Contact Material

Highly conductive, durable, and corrosion resistance.

Dead-Front Safety Shutter

Prevent access to live parts.

- NEC, NFPA 70E, and CSA Z462 Compliance
- Line-of-Sight Disconnect Switch
- Safely Make and Break Under Load

Type 4X/IP69

SIMPLIFY WELDING MACHINE CHANGE-OUTS & Reduce Downtime by 50%

MELTRIC Switch-Rated Welding plugs and receptacles simplify welding machine changeouts and can reduce downtime by 50%. They help ensure worker safety while reducing equipment and labor costs. The proprietary DECONTACTOR™ technology quick-break mechanism safely and efficiently de-energizes when an operator depresses the pawl, eliminating the need for cumbersome PPE.

Single Welding Machine



Robotic Welding Cell



Welding Array



Benefits of MELTRIC Devices For All Your Welding Needs

Safety

- Eliminate Hazards and Accidents with Native Arc-Flash Chamber
- Protect from Exposure to Live Parts with Dead-Front Safety Shutter
- Remain Compliant with NEC, UL, and CSA Compliance
- Provide Short-Circuit Overload Protection up to 100 kA

Productivity

- Quickly Connect or Disconnect Power with Switch-Rated Connectors
- Reduce Downtime by 50% with Plug-and-Play Simplicity
- Simplify De-Energization Verification with Line-of-Sight Confirmation
- Prevent Accidental Disconnection and Enable Lock-out Tag-out Provisions with Optional Built-In Locking Pawl



DSN Model Ratings



| MODEL | DSN30 | DSN60 | DSN100 |
|---|--------|--------|--------|
| Branch Circuit Disconnect Switch Ratings (A.C. only) | | | |
| AMPERAGE | 30 A | 60 A | 100 A |
| MAX VAC | 600 V | 600 V | 600 V |
| Motor Circuit Disconnect Switch Ratings Horsepower (A.C. only) | | | |
| 120 V 1Ø | 1 hp | 2 hp | 5 hp |
| 240 V 1Ø | 3 hp | 3 hp | 10 hp |
| 208 V 3Ø | 5 hp | 7.5 hp | 20 hp |
| 240 V 3Ø | 5 hp | 7.5 hp | 20 hp |
| 480 V 3Ø | 10 hp | 20 hp | 50 hp |
| 600 V 3Ø | 15 hp | 20 hp | 50 hp |
| Short Circuit Closing & Withstand Ratings (A.C. only) | | | |
| S.C. RATING | 100 kA | 100 kA | 100 kA |
| FUSE TYPE | RK1 | RK1 | RK1 |
| FUSE SIZE | 125 A | 110 A | 250 A |

Visit meltric.com to confirm ratings.



Common DSN Configurations

| DSN30 3P+G | 250V | 480V | 600V |
|------------------------------|--------------|--------------|--------------|
| RECEPTACLE W/PADLOCK PAWL | 63-34073-843 | 63-34043-843 | 63-34143-843 |
| INLET | 63-38073 | 63-38043 | 63-38143 |
| HANDLE | 512P0D21 | 512P0D21 | 512P0D21 |
| POLY ANGLE W/METAL BOX W/NPT | 712C3N07 | 712C3N07 | 712C3N07 |
| FINGER DRAWPLATES | 61-3A346 | 61-3A346 | 61-3A346 |
| DSN60 3P+G | 250V | 480V | 600V |
| RECEPTACLE W/PADLOCK PAWL | 63-64073-843 | 63-64043-843 | 63-64143-843 |
| INLET | 63-68073 | 63-68043 | 63-68143 |
| HANDLE | 513P0D30 | 513P0D30 | 513P0D30 |
| POLY ANGLE W/METAL BOX W/NPT | 713C3N10 | 713C3N10 | 713C3N10 |
| FINGER DRAWPLATES | 61-6A346 | 61-6A346 | 61-6A346 |
| DSN100 3P+G | 250V | 480V | 600V |
| RECEPTACLE W/PADLOCK PAWL | 63-84073-843 | 63-84043-843 | 63-84143-843 |
| INLET | 63-88073 | 63-88043 | 63-88143 |
| HANDLE | 514P0D35 | 514P0D35 | 514P0D35 |
| POLY ANGLE W/METAL BOX W/NPT | 714C3N12 | 714C3N12 | 714C3N12 |
| FINGER DRAWPLATES | 31-6A346 | 31-6A346 | 31-6A346 |

PARTS LIST



LINE-OF-SIGHT

CASE STUDY

Switch-Rated Devices Give Edison Welding Institute Flexibility and Efficiency

SCAN
ME >>



Ensure Safety



Improve Flexibility



Guarantee Efficiency

EWI faced significant challenges in quickly and safely connecting welding equipment across their 100+ workstations. They found their solution in MELTRIC Switch-Rated devices that provide a disconnect switch and plug/receptacle in one device. This allowed EWI workers to make and break connections safely, even under full load, without additional voltage testing or arc-rated PPE.

Challenge: With their previous setup, disconnecting live equipment posed serious risks. Andy Joseph, EWI Manager, said that *“from a safety standpoint there was no way to disconnect quickly if someone was getting hurt.”*

Solution: MELTRIC eliminated safety concerns, that are associated with live connections and arc flash hazards, and simplified compliance with NFPA 70E Standards. MELTRIC’s integrated disconnect switch within the plug ensured safe and easy disconnection. *“Having the disconnect switch right in the plug eliminates the need for an arc flash hazard assessment or suiting up,”* said Joseph.

The flexibility offered by MELTRIC Switch-Rated devices was a secondary key benefit. The adoption of MELTRIC plugs and receptacles significantly improved safety, efficiency, and flexibility in EWI’s welding operations, making it a valuable choice for their needs. According to Joseph, *“changeouts are easier to accomplish, and we have a more presentable area.”*



Switch-Rated

Electrical Connection Solutions for Your Industrial Applications

In addition to the innovative Switch-Rated devices featured in this brochure, MELTRIC offers a full line of industrial plugs and receptacles providing solutions for a broad range of electrical connection applications.



Explore the Complete Line of MELTRIC Plugs, Receptacles, and Accessories

- Multipin devices available with 4-37 contacts
- Hazardous Location devices for Class 1 & 2 Div 2 and Zone 1/21 & 2/22 environments
- High Temperature devices, up to 30 A, 465°F
- High Amperage devices, up to 600 A
- Power Distribution—Rubber Boxes, Panel Assemblies, Custom Configurations, Receptacle/Wall Box Combinations, and more



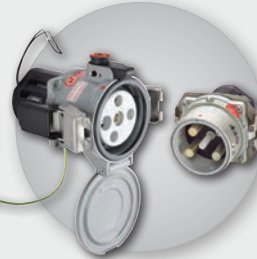
Multipin



Hazardous Location



High Temp



High Amperage



Power Distribution

Our friendly engineering and customer service teams are available Monday - Friday, 7 a.m. - 5 p.m. (Central Time)

Phone: 414-433-2700
Email: mail@meltric.com

MELTRIC excels with the industry's leading delivery times.



Plug into **SAFETY** and **RELIABILITY** with **MELTRIC®**

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