

# Woodhead ArcArrest 30A Switch-Rated Connector System

**molex**

Incorporating many options and components into a smooth, contoured design, the Woodhead ArcArrest 30A Switch-Rated Connector System delivers the simplest and fastest way to de-energize industrial machines and equipment and perform Lockout/Tagout operations

## Features and Advantages

**Inclusion of options such as MAX-LOC cord-grip technology, finger drawplates, lock-out holes and plug caps in a smooth, contoured design**

Reduces user costs and simplifies ordering. Enhances cleanability in food-processing and other harsh environments. Delivers enhanced durability for use in the toughest industrial applications

**All critical components are heavily glass-reinforced with 100% Valox materials**

Delivers unmatched strength and complete UL material compliance. Eliminates nylon components, commonly used by competitors, which are prone to moisture absorption and dimensional instability



### Furnace-brazed contact tips

Produces tips with superior flatness and positioning accuracy compared to the flame brazing process used by competitors

### NEMA 4X and IP69k rated

Eliminates ingress of dust and water in a variety of harsh industrial environments. Sealing is automatic when connected. Achieves sealing while disengaged with closed receptacle lid and plug

### Laser labelling

Provides a clean and permanent record of certifications and specifications. Greatly reduces the harboring of bacteria and dirt in the label

## Applications

### Food Processing

- Conveyors
- Process Equipment
- Pumps
- Packaging Machines

### General Industrial

- Conveyors
- Process Equipment
- Welding Receptacles
- Power Distribution
  - Construction Sites
  - Shipyards
- Server Rack Power Supply



Lockout Tagout Apparatus



Conveyor Belts



Food Processing Plant

# Woodhead ArcArrest 30A Switch-Rated Connector System



## Specifications

### REFERENCE INFORMATION

Packaging: Corrugated boxes  
 UL File No.: TBD  
 cULus File No.:  
 Designed In: Millimeters  
 RoHS: Yes  
 Halogen Free: Yes

### ELECTRICAL – UL 2682 SWITCH RATINGS

Voltage (max.): 600V AC  
 Current (max.): 30A  
 Temperature Rise: <30°C  
 Dielectric Voltage Withstand (min): 2200V AC  
 Branch Circuit Switch Testing:  
 6,000 Cycles at rated current,  
 p.f. = 0.75-0.80. Per UL 2682  
 Motor Circuit Switch Testing:  
 50 Cycles at 600% of full load motor current  
 p.f. = 0.40-0.50. Per UL 2682  
 Short Circuit Testing:  
 10kA when protected by 60A Class J fuse

### PHYSICAL

Housings, pawl, and angle: Valox  
 Handles and lid: Valox  
 Insulators: Valox  
 Gaskets: Silicone  
 Screws and Springs: 300 Series Stainless Steel  
 Electrical Contacts: Silver alloy  
 Operating Temperature: -25°C to +60°C  
 Mechanical Endurance: 10,000 Cycles min  
 Flammability: V-0 per UL 94  
 Environmental Sealing: Type 4X, IP69K  
 UV Resistance: UV Stabilized

## What is a Switch-Rated Connector and UL 2682?

Unlike standard connectors, switch-rated devices listed under UL 2682 can operate as switches and be used to disconnect loads while energized. When operated under load, arcing will occur between the male and female contacts, which they can withstand without damage. The user is completely shielded from this energy because the plug maintains a connection with the receptacle during operation. A twisting motion must be applied by the user to remove the plug after the circuit has been interrupted. The UL test requires this live switching to occur 6,000 cycles. This proves the connector's ability to last for many years in a typical industrial application.



Woodhead ArcArrest 30A Switch-Rated Connector

Non-Fused Disconnect Switch

## Ordering Information

Series No.	Description	Connector Orientation	VAC	Available pin combinations
112219	ArcArrest 30A Switch-Rated Connector System	Angled; In-line; Mounted	125 to 600	1P+N+G; 2P+G; 2P+N+G 3P+G; 3P+N+G

[www.molex.com/link/arcarrest.html](http://www.molex.com/link/arcarrest.html)

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