Appleton®

DICOM INGENIEROS S.R.L.

Materiales eléctricos
Industriales

# GUÍA DE
# FICHAS TÉCNICAS

## PRODUCTOS ELECTRICOS



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# MD2SR Factory Sealed Interlocked Switched Receptacles

Dead Front Interlocked Construction; No External Seals Required.

**NEC: Class I, Division 2, Groups B, C, D | Class II, Division 1 and 2, Groups F, G | Class III | Class I, Zone 2, Group IIC T3 | NEMA 3•, 3R•, 4▼, 4X▼, 9FG, 12**

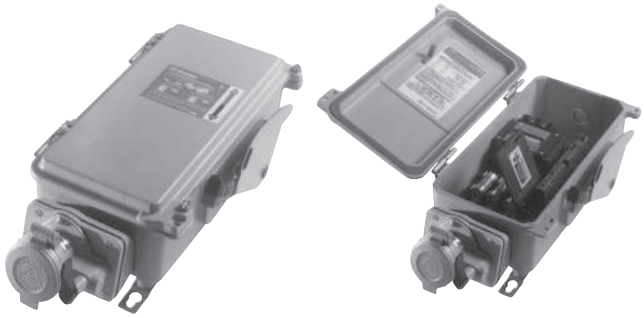


## Applications

- Locations where receptacles are used with stationary or portable electrically operated devices such as:
  - — Lighting systems
  - — Conveyors
  - — Heaters
  - — Motor generator sets
  - — Air conditioners
  - — Compressors
  - — Pumps

## Features

- Factory sealed; no external seals required.
- Available in fused and unfused versions.
- UL Listed for use with Appleton ACP plugs.
- Positive polarization; only plugs of the same style, number of poles, and Amperage rating may be used with these receptacles.
- Plug must be inserted into the receptacle before the switch can be turned on. Plug cannot be withdrawn unless the switch is in the off position.
- Cover bolts are stainless steel and captive.
- Insulated, dual-color polymer operating handle clearly indicates the switch being energized. Ergonomically designed handle is made of high-impact polymer material for exceptional ruggedness, durability and corrosion resistance.
- Style 2 (shell and extra pole) grounding.
- Removable hinged cover allows for ease of installation and maintenance.
- Short circuit withstand rated to 200,000 RMS symmetrical amperes (Class J fusing).
- Short circuit withstand rated to 10,000 RMS symmetrical amperes (unfused).
- Conduit entry is drilled and tapped to 1-1/2". Reducer bushings 1-1/2"–1-1/4" and 1-1/2"–1" provided at no additional cost.
- Stainless steel key-hole mounting feet for easy installation.
- Accommodates #8 – #4/0 AWG copper wire.
- Unit is equipped with defeatable door interlock which allows emergency access when switch is energized.
- Cover can be padlocked closed.
- Operating handle can be locked in the "OFF" position with provision to lock in the "ON" position.



## Standard Materials

- Enclosure: copperfree (4/10 of 1% max.) aluminum
- Operating handle: high impact polymer
- Hardware: stainless steel

## Standard Finish

- Enclosure: epoxy powder coating inside and outside

## Options

- One normally opened, one normally closed auxiliary switch, add suffix -AUX.
- Special Polarization: Prevents plug insertion in a receptacle or connector wired for a different voltage. In installations where there are different line voltages, the special polarization option is desirable. This allows only plugs and receptacles wired for the same line voltage to be mated together. The receptacle or connector interior is positioned 22-1/2°, relative to the polarization rivet, to the right (as specified) of standard, and plug is polarized to correspond. Add Suffix -P4 to receptacle.

## NEC Certifications and Compliances

- UL Standard: UL 894, UL 1203, UL 1604, UL 1682
- UL Listed: E10784

*• Flip cover suitable for NEMA 3, 3R only.*

*▼ NEMA 4/4X rating maintained with an ACP Powertite™ plug installed. Install screw cover for 4, 4X. Both covers are included with product.*

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| Amp | Wires/Poles | Max HP | Fusing ✶ | Catalog Number ①▯ | Mating Plug |
|---|---|---|---|---|---|
| 30 | 2W, 3P | 3 HP @ 240 Vac | Non-Fused | **MD2SR3023U** | ACP3023BC |
| | | | Fused | **MD2SR3023F** | |
| | 3W, 4P | 20 HP @ 600 Vac | Non-Fused | **MD2SR3034U** | ACP3034BC |
| | | 30 HP @ 600 Vac | Fused | **MD2SR3034F** | |
| 60 | 3W, 4P | 50 HP @ 600 Vac | Non-Fused | **MD2SR6034U** | ACP6034BC |
| | | | Fused | **MD2SR6034F** | |
| 100 | 3W, 4P | 50 HP @ 600 Vac | Non-Fused | **MD2SR1034U** | ACP1034BC |
| | | | Fused | **MD2SR1034F** | |

### ACP Plugs for MD2SR Receptacles

| | Cable Dia. (Inches) | 30 Amp 2W, 3P | 30 Amp 3W, 4P | 60 Amp 2W, 3P | 60 Amp 3W, 4P | 100 Amp 2W, 3P | 100 Amp 3W, 4P |
|---|---|---|---|---|---|---|---|
|  | .500 to 1.125 | **ACP3023BC** | **ACP3034BC** | — | — | — | — |
| | .500 to 1.375 | — | — | **ACP6023BC** | **ACP6034BC** | — | — |
| | .875 to 1.906 | — | — | — | — | **ACP1023CD** | **ACP1034CD** |

### CPH Plugs for MD2SR Receptacles

| | Cable Dia. (Inches) | 30 Amp 2W, 3P | 30 Amp 3W, 4P | 60 Amp ② 2W, 3P | 60 Amp ② 3W, 4P |
|---|---|---|---|---|---|
|  | .500 to 1.125 | **CPH3023BC** | **CPH3034BC** | — | — |
| | .500 to 1.375 | — | — | **CPH6023BC** | **CPH6034BC** |

### Replacement Parts

| Description | Catalog Number |
|---|---|
| Heavy Duty Disconnect Switch Operating Handle | **WSRHANDLE** |
| 30 Amp, Powertite™ ACP Plug Twist Clamping Ring | **30CRING** |
| 30 Amp, Receptacle Screw Cover with Gasket and Chain | **30SCAP** |

*• Flip cover suitable for NEMA 3, 3R only.*
*▼ NEMA 4/4X rating maintained with an ACP Powertite™ plug installed. Install screw cover for 4, 4X. Both covers are included with product.*
*✶ Fused units contain fuse holders; fuses not included.*
*① For auxiliary switch: one normally opened, one normally closed, add suffix -AUX.*
*② 60 Amp CPH plugs with -BC suffix are NOT UL listed.*
*✦ For special polarization add -P4.*

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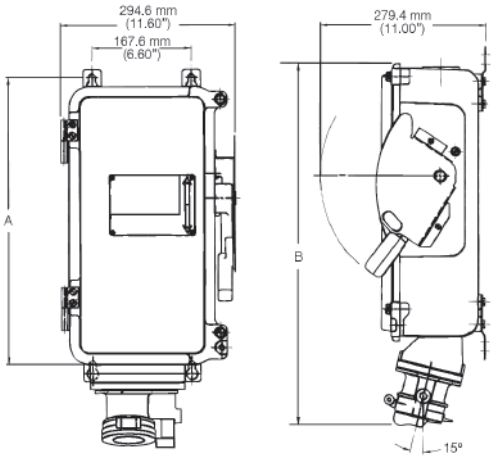
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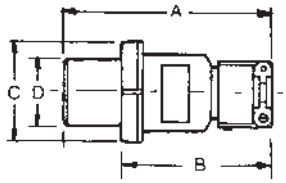
**Dimensions in Millimeters (Inches)**

| Catalog No. | A | B |
|---|---|---|
| MD2SR3023U | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR3023F | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR3034U | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR3034F | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR6023U | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR6023F | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR6034U | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR6034F | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR1023U | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR1023F | 581.1 (22.88) | 710.1 (27.96) |
| MD2SR1034U | 488.9 (19.25) | 617.9 (24.33) |
| MD2SR1034F | 581.1 (22.88) | 710.1 (27.96) |

**MD2SR Shown with Flip Cover**

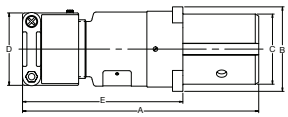



**ACP Plugs**




| Max. Amp | No. Poles | A | B | C | D |
|---|---|---|---|---|---|
| 30 | 2,3,4 | 152.4 (6.00) | 120.6 (4.75) | 79.5 (3.13) | 47.2 (1.86) |
| 60 | 2,3 | 198.3 (7.81) | 125.4 (4.94) | 88.9 (3.50) | 56.6 (2.23) |
| 60 | 4 | 198.3 (7.81) | 125.4 (4.94) | 96.7 (3.81) | 64.7 (2.55) |
| 100 | 2,3 | 26.7 (10.50) | 168.4 (6.63) | 101.6 (4.00) | 62.7 (2.47) |
| 100 | 4 | 266.7 (10.50) | 168.4 (6.63) | 107.9 (4.25) | 69.0 (2.72) |

**CPH Plugs**




| Max. Amp | Wire/Pole | A | B | C | D | E |
|---|---|---|---|---|---|---|
| 30 | 2W, 3P; 3W, 4P | 155.7 (6.13) | 60.4 (2.38) | 47.2 (1.86) | 6.68 (2.63) | 112.7 (4.44) |
| 60 | 2W, 3P | 214.3 (8.44) | 77.7 (3.06) | 77.7 (3.06) | 6.68 (2.63) | 144.5 (5.69) |
| 60 | 3W, 4P | 214.3 (8.44) | 77.7 (3.06) | 64.7 (2.55) | 6.68 (2.63) | 144.5 (5.69) |

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