

Receptacles & Wall Boxes

with Integral Circuit Protection



MELTRIC receptacle/wall box combinations with integral circuit protection combine the safety of a MELTRIC DSN series Switch-Rated receptacle with the convenience of local circuit protection in a compact package. The receptacle is premounted to the box and wired to the circuit protection device for easy installation.

Models are available with or without a viewing window and in either painted mild steel or stainless steel enclosures. The 20 A and 30 A models are available and equipped with fuse holders or mini-circuit breakers and the 60 A models are available with fuse holders or supplementary protectors.

Fuse holder Equipped Models



MELTRIC DSN Series Switch-Rated plugs and receptacles are UL rated to withstand and close-into short circuit currents up to 100kA in circuits protected by RK1 current limiting fuses or other fuses with lower let through energy like Class CC. This allows users to take advantage of the DSN's capabilities in applications where higher fault currents are not already protected with the required fusing.

Fuse holder models feature Ultra-Safe Fuse Holders (UL 512/IEC 269). The fuse holders have a blown fuse indicator light for each pole and pivot open for easy and finger safe fuse replacement. Fuses are not provided. They should be selected for the specific application.

Circuit Breaker Equipped Models



Circuit breaker equipped models allow users to provide overload protection in a convenient location near the application. The 20 A and 30 A models feature miniature circuit breakers (UL 489) and the 60 A models use supplementary protectors (UL 1077). All are provided standard with a 'C' trip curve. A 'D' trip curve for the 20 A and 30 A breakers, and a 'B' trip curve for the 60 A supplementary protectors are also available as options.

Trip Curve Characteristics

"B" Curve: The protective device will instantaneously trip @ 3X to 5X its rated current

"C" Curve: The protective device will instantaneously trip @ 5X to 10X its rated current

"D" Curve: The protective device will instantaneously trip @ 10X to 20X its rated current

Enclosures

The wall boxes are Hoffman Inline® series enclosures.

- Dimensions:**
- 20 A/30 A Fuse Holder/Circuit Breaker**
Box exteriors = 9.84" x 7.87" x 5.91" (250mm x 200mm x 150mm).
Mounting footprint = 12.5" x 8" including the pre-installed mounting brackets.
 - 60 A Supplementary Circuit Breaker**
Box exteriors = 9.84" x 7.87" x 5.91" (250mm x 200mm x 150mm).
Mounting footprint = 12.5" x 8" including the pre-installed mounting brackets.
 - 60 A Fuse Holder**
Box exteriors = 11.81" x 9.84" x 5.91" (300mm x 250mm x 150mm).
Mounting footprint = 14.4" x 9.8" including the pre-installed mounting brackets.
- Box Materials:** Mild steel boxes are 16 gauge, stainless steel boxes are 14 gauge type 304. Available door windows are 3/16" clear polycarbonate.
- Latch:** Quarter turn slotted stainless steel design for easy operation and durability.
- Finish:** Mild steel boxes are painted with a light gray textured polyester powder coat. Stainless Steel boxes have a #4 brushed finish.
- Environmental:** Mild steel boxes are NEMA Type 4 and 12. Stainless steel boxes are NEMA Type 4, 4X and 12.



MILD STEEL BOXES with Ultra-Safe Fuse Holders

Ratings

- Voltage**
20 A: 600 VAC
30 A: 600 VAC
60 A: 600 VAC
- Environmental Ratings**
Overall: NEMA Type 4
Box: NEMA Type 4, 12
Receptacle: NEMA Type 4X
- Temperature Range**
Min -40°F/Max 140°F
- Listings**
Box: UL 508A

Receptacle: UL 2682,
UL 1682, CSA 22.2 No. 182.1,
IEC 60309-1

Fuse holder: UL 512, IEC 269

Standard Box



Box with Viewing Window



North American Configurations

| Voltage | Polarity | Part # | | | Part # | | |
|-----------|----------|-----------------|-------------|-------------|------------------|--------------|--------------|
| | | 20 A | 30 A | 60 A | 20 A | 30 A | 60 A |
| 120 V | 1P+N+G | FB-63-14125-K16 | FB-63-34165 | FB-63-64165 | FBW-63-14125-K16 | FBW-63-34165 | FBW-63-64165 |
| 120 208 V | 3P+N+G | FB-63-14127-K16 | FB-63-34167 | FB-63-64167 | FBW-63-14127-K16 | FBW-63-34167 | FBW-63-64167 |
| 125 V | 1P+N+G | FB-63-14075 | FB-63-34075 | FB-63-64075 | FBW-63-14075 | FBW-63-34075 | FBW-63-64075 |
| 125 250 V | 2P+N+G | FB-63-14076 | FB-63-34076 | FB-63-64076 | FBW-63-14076 | FBW-63-34076 | FBW-63-64076 |
| 208 V | 2P+G | FB-63-14122-K16 | FB-63-34162 | FB-63-64162 | FBW-63-14122-K16 | FBW-63-34162 | FBW-63-64162 |
| 208 V | 3P+G | FB-63-14123-K16 | FB-63-34163 | FB-63-64163 | FBW-63-14123-K16 | FBW-63-34163 | FBW-63-64163 |
| 250 V | 2P+G | FB-63-14072 | FB-63-34072 | FB-63-64072 | FBW-63-14072 | FBW-63-34072 | FBW-63-64072 |
| 250 V | 3P+G | FB-63-14073 | FB-63-34073 | FB-63-64073 | FBW-63-14073 | FBW-63-34073 | FBW-63-64073 |
| 277 V | 1P+N+G | FB-63-14045 | FB-63-34045 | FB-63-64045 | FBW-63-14045 | FBW-63-34045 | FBW-63-64045 |
| 277 480 V | 3P+N+G | FB-63-14047 | FB-63-34047 | FB-63-64047 | FBW-63-14047 | FBW-63-34047 | FBW-63-64047 |
| 347 600 V | 3P+N+G | FB-63-14147 | FB-63-34147 | FB-63-64147 | FBW-63-14147 | FBW-63-34147 | FBW-63-64147 |
| 480 V | 2P+G | FB-63-14042 | FB-63-34042 | FB-63-64042 | FBW-63-14042 | FBW-63-34147 | FBW-63-64042 |
| 480 V | 3P+G | FB-63-14043 | FB-63-34043 | FB-63-64043 | FBW-63-14043 | FBW-63-34042 | FBW-63-64043 |
| 600 V | 2P+G | FB-63-14142 | FB-63-34142 | FB-63-64142 | FBW-63-14142 | FBW-63-34043 | FBW-63-64142 |
| 600 V | 3P+G | FB-63-14143 | FB-63-34143 | FB-63-64143 | FBW-63-14143 | FBW-63-34142 | FBW-63-64143 |

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Closed Lid Configuration

Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options

Suffix

- With 2 Auxiliary/Pilot Contacts **Recept # - 972**
- Mushroom Pawl **Recept # - 375**
- Padlock Pawl **Recept # - 843**
- Closed Lid Configuration **Recept # - NC**



30 A, 600 V Ultra-Safe Fuse Holders for Class CC fuses are standard. They include a blown fuse indicator for each pole. Fuses are not included.

! See pages 243-252 for detailed information on these options

SS BOXES with Ultra-Safe Fuse Holders

Standard Box



Box with Viewing Window



North American Configurations

| Voltage | Polarity | Part # | | | Part # | | |
|-----------|----------|-------------------|---------------|---------------|--------------------|----------------|----------------|
| | | 20 A | 30 A | 60 A | 20 A | 30 A | 60 A |
| 120 V | 1P+N+G | FBSS-63-14125-K16 | FBSS-63-34165 | FBSS-63-64165 | FBWSS-63-14125-K16 | FBWSS-63-34165 | FBWSS-63-64165 |
| 120 208 V | 3P+N+G | FBSS-63-14127-K16 | FBSS-63-34167 | FBSS-63-64167 | FBWSS-63-14127-K16 | FBWSS-63-34167 | FBWSS-63-64167 |
| 125 V | 1P+N+G | FBSS-63-14075 | FBSS-63-34075 | FBSS-63-64075 | FBWSS-63-14075 | FBWSS-63-34075 | FBWSS-63-64075 |
| 125 250 V | 2P+N+G | FBSS-63-14076 | FBSS-63-34076 | FBSS-63-64076 | FBWSS-63-14076 | FBWSS-63-34076 | FBWSS-63-64076 |
| 208 V | 2P+G | FBSS-63-14122-K16 | FBSS-63-34162 | FBSS-63-64162 | FBWSS-63-14122-K16 | FBWSS-63-34162 | FBWSS-63-64162 |
| 208 V | 3P+G | FBSS-63-14123-K16 | FBSS-63-34163 | FBSS-63-64163 | FBWSS-63-14123-K16 | FBWSS-63-34163 | FBWSS-63-64163 |
| 250 V | 2P+G | FBSS-63-14072 | FBSS-63-34072 | FBSS-63-64072 | FBWSS-63-14072 | FBWSS-63-34072 | FBWSS-63-64072 |
| 250 V | 3P+G | FBSS-63-14073 | FBSS-63-34073 | FBSS-63-64073 | FBWSS-63-14073 | FBWSS-63-34073 | FBWSS-63-64073 |
| 277 V | 1P+N+G | FBSS-63-14045 | FBSS-63-34045 | FBSS-63-64045 | FBWSS-63-14045 | FBWSS-63-34045 | FBWSS-63-64045 |
| 277 480 V | 3P+N+G | FBSS-63-14047 | FBSS-63-34047 | FBSS-63-64047 | FBWSS-63-14047 | FBWSS-63-34047 | FBWSS-63-64047 |
| 347 600 V | 3P+N+G | FBSS-63-14147 | FBSS-63-34147 | FBSS-63-64147 | FBWSS-63-14147 | FBWSS-63-34147 | FBWSS-63-64147 |
| 480 V | 2P+G | FBSS-63-14042 | FBSS-63-34042 | FBSS-63-64042 | FBWSS-63-14042 | FBWSS-63-34042 | FBWSS-63-64042 |
| 480 V | 3P+G | FBSS-63-14043 | FBSS-63-34043 | FBSS-63-64043 | FBWSS-63-14043 | FBWSS-63-34043 | FBWSS-63-64043 |
| 600 V | 2P+G | FBSS-63-14142 | FBSS-63-34142 | FBSS-63-64142 | FBWSS-63-14142 | FBWSS-63-34142 | FBWSS-63-64142 |
| 600 V | 3P+G | FBSS-63-14143 | FBSS-63-34143 | FBSS-63-64143 | FBWSS-63-14143 | FBWSS-63-34143 | FBWSS-63-64143 |

Ratings

- **Voltage**
20 A: 600 VAC
30 A: 600 VAC
60 A: 600 VAC
- **Environmental Ratings**
Overall: NEMA Type 4
Box: NEMA Type 4X, 12
Receptacle: NEMA Type 4X
- **Temperature Range**
Min -40°F/Max 140°F
- **Listings**
Box: UL 508A
Receptacle: UL 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1
Fuse holder: UL 512, IEC 269

Receptacle Options

Suffix

| | |
|---------------------------------|-----------------------|
| With 2 Auxiliary/Pilot Contacts | Recept # - 972 |
| Mushroom Pawl | Recept # - 375 |
| Padlock Pawl | Recept # - 843 |
| Closed Lid Configuration | Recept # - NC |

Main Options



**Auxiliary/Pilot
Contacts**



**Mushroom
Pawl**



Padlock Pawl



**Closed Lid
Configuration**
Recommended for cord
applications to keep lid
tucked in to avoid damage.



30 A, 600V Ultra-Safe Fuse Holders for Class CC fuses are standard. They include a blown fuse indicator for each pole. Fuses are not included.

! See pages 243-252 for detailed information on these options

MILD STEEL BOXES with Circuit Breakers

Ratings

- Voltage**
20 A: 480 VAC
30 A: 480 VAC
60 A: 480 VAC
- Environmental Ratings**
Overall: NEMA Type 4
Box: NEMA Type 4, 12
Receptacle: NEMA Type 4X
- Temperature Range**
Min -40°F/Max 140°F for 20 A & 30 A
Min 23°F/Max 104°F for 60 A
- Listings**
Box: UL 508A
Receptacle: UL 2682,
UL 1682, CSA 22.2 No. 182.1,
IEC 60309-1
Breaker: UL 489 for 20 A & 30 A,
UL 1077 for 60 A

Standard Box



Box with Viewing Window



! Don't forget to add installation accessories to your order

North American Configurations

| Voltage | Polarity | Part # | | | Part # | | |
|-----------|----------|-----------------|-------------|-------------|------------------|--------------|--------------|
| | | 20 A | 30 A | 60 A | 20 A | 30 A | 60 A |
| 120 V | 1P+N+G | CB-63-14125-K16 | CB-63-34165 | CB-63-64165 | CBW-63-14125-K16 | CBW-63-34165 | CBW-63-64165 |
| 120 208 V | 3P+N+G | CB-63-14127-K16 | CB-63-34167 | CB-63-64167 | CBW-63-14127-K16 | CBW-63-34167 | CBW-63-64167 |
| 125 V | 1P+N+G | CB-63-14075 | CB-63-34075 | CB-63-64075 | CBW-63-14075 | CBW-63-34075 | CBW-63-64075 |
| 125 250 V | 2P+N+G | CB-63-14076 | CB-63-34076 | CB-63-64075 | CBW-63-14076 | CBW-63-34076 | CBW-63-64076 |
| 208 V | 2P+G | CB-63-14122-K16 | CB-63-34162 | CB-63-64076 | CBW-63-14122-K16 | CBW-63-34162 | CBW-63-64162 |
| 208 V | 3P+G | CB-63-14123-K16 | CB-63-34163 | CB-63-64162 | CBW-63-14123-K16 | CBW-63-34163 | CBW-63-64163 |
| 250 V | 2P+G | CB-63-14072 | CB-63-34072 | CB-63-64163 | CBW-63-14072 | CBW-63-34072 | CBW-63-64072 |
| 250 V | 3P+G | CB-63-14073 | CB-63-34073 | CB-63-64072 | CBW-63-14073 | CBW-63-34073 | CBW-63-64073 |
| 277 V | 1P+N+G | CB-63-14045 | CB-63-34045 | CB-63-64073 | CBW-63-14045 | CBW-63-34045 | CBW-63-64045 |
| 277 480 V | 3P+N+G | CB-63-14047 | CB-63-34047 | CB-63-64045 | CBW-63-14047 | CBW-63-34047 | CBW-63-64047 |
| 480 V | 2P+G | CB-63-14042 | CB-63-34042 | CB-63-64047 | CBW-63-14042 | CBW-63-34042 | CBW-63-64042 |
| 480 V | 3P+G | CB-63-14043 | CB-63-34043 | CB-63-64042 | CBW-63-14043 | CBW-63-34043 | CBW-63-64043 |

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Closed Lid Configuration

Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options

Suffix

Circuit Protection Options

Part

| | | | |
|--|-----------------------|--|------------|
| With 2 Auxiliary/Pilot Contacts (30/60 A only) | Recept # - 972 | "D" Trip Curve (20/30 A only) | Part # - D |
| With 3 Auxiliary/Pilot Contacts (60 A only) | Recept # - 973 | "B" Trip Curve (60 A only) | Part # - B |
| With 4 Auxiliary/Pilot Contacts (60 A only) | Recept # - 974 | Standard circuit protectors include a "C" trip curve | |
| Mushroom Pawl | Recept # - 375 | | |
| Padlock Pawl | Recept # - 843 | | |
| Closed Lid Configuration | Recept # - NC | | |



! See pages 243-252 for detailed information on these options

STAINLESS STEEL BOXES with Circuit Breakers

Standard Box



Box with Viewing Window



North American Configurations

| Voltage | Polarity | Part # | | | Part # | | |
|-----------|----------|-------------------|---------------|---------------|--------------------|----------------|----------------|
| | | 20 A | 30 A | 60 A | 20 A | 30 A | 60 A |
| 120 V | 1P+N+G | CBSS-63-14125-K16 | CBSS-63-34165 | CBSS-63-64165 | CBWSS-63-14125-K16 | CBWSS-63-34165 | CBWSS-63-64165 |
| 120 208 V | 3P+N+G | CBSS-63-14127-K16 | CBSS-63-34167 | CBSS-63-64167 | CBWSS-63-14127-K16 | CBWSS-63-34167 | CBWSS-63-64167 |
| 125 V | 1P+N+G | CBSS-63-14075 | CBSS-63-34075 | CBSS-63-64075 | CBWSS-63-14075 | CBWSS-63-34075 | CBWSS-63-64075 |
| 125 250 V | 2P+N+G | CBSS-63-14076 | CBSS-63-34076 | CBSS-63-64076 | CBWSS-63-14076 | CBWSS-63-34076 | CBWSS-63-64076 |
| 208 V | 2P+G | CBSS-63-14122-K16 | CBSS-63-34162 | CBSS-63-64162 | CBWSS-63-14122-K16 | CBWSS-63-34162 | CBWSS-63-64162 |
| 208 V | 3P+G | CBSS-63-14123-K16 | CBSS-63-34163 | CBSS-63-64163 | CBWSS-63-14123-K16 | CBWSS-63-34163 | CBWSS-63-64163 |
| 250 V | 2P+G | CBSS-63-14072 | CBSS-63-34072 | CBSS-63-64072 | CBWSS-63-14072 | CBWSS-63-34072 | CBWSS-63-64072 |
| 250 V | 3P+G | CBSS-63-14073 | CBSS-63-34073 | CBSS-63-64073 | CBWSS-63-14073 | CBWSS-63-34073 | CBWSS-63-64073 |
| 277 V | 1P+N+G | CBSS-63-14045 | CBSS-63-34045 | CBSS-63-64045 | CBWSS-63-14045 | CBWSS-63-34045 | CBWSS-63-64045 |
| 277 480 V | 3P+N+G | CBSS-63-14047 | CBSS-63-34047 | CBSS-63-64047 | CBWSS-63-14047 | CBWSS-63-34047 | CBWSS-63-64047 |
| 480 V | 2P+G | CBSS-63-14042 | CBSS-63-34042 | CBSS-63-64042 | CBWSS-63-14042 | CBWSS-63-34042 | CBWSS-63-64042 |
| 480 V | 3P+G | CBSS-63-14043 | CBSS-63-34043 | CBSS-63-64043 | CBWSS-63-14043 | CBWSS-63-34043 | CBWSS-63-64043 |

Ratings

- Voltage**
20 A: 480 VAC
30 A: 480 VAC
60 A: 480 VAC
- Environmental Ratings**
Overall: NEMA Type 4X
Box: NEMA Type 4X, 12
Receptacle: NEMA Type 4X
- Temperature Range**
Min -40°F/Max 140°F for 20 A & 30 A
Min 23°F/Max 104°F for 60 A
- Listings**
Box: UL 508A
Receptacle: UL 2682,
UL 1682, CSA 22.2 No. 182.1,
IEC 60309-1
Breaker: UL 489 for 20 A & 30 A,
UL 1077 for 60 A

| Receptacle Options | Suffix # | Circuit Protection Options | Part # |
|--|-----------------------|--|------------|
| With 2 Auxiliary/Pilot Contacts (30/60 A only) | Recept # - 972 | "D" Trip Curve (20/30 A only) | Part # - D |
| With 3 Auxiliary/Pilot Contacts (60 A only) | Recept # - 973 | "B" Trip Curve (60 A only) | Part # - B |
| With 4 Auxiliary/Pilot Contacts (60 A only) | Recept # - 974 | Standard circuit protectors include a "C" trip curve | |
| Mushroom Pawl | Recept # - 375 | | |
| Padlock Pawl | Recept # - 843 | | |
| Closed Lid Configuration | Recept # - NC | | |

Main Options



**Auxiliary/Pilot
Contacts**



**Mushroom
Pawl**



Padlock Pawl



**Closed Lid
Configuration**
Recommended for cord
applications to keep lid
tucked in to avoid damage.



! See pages 243-252 for detailed information on these options