

Receptacles & Wall Boxes with Integral Circuit Protection

product description



Meltric's 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 20A and 30A models are available and equipped with fuseholders or mini-circuit breakers and the 60A models are available with supplementary protectors. (60A models are not available with fuses due to space constraints). Initial lead times on all models will be approximately 8 weeks until appropriate stock requirements are identified.

product features

Fuseholder Equipped Models



Meltric's DSN Decontactor™ Series switch rated plugs and receptacles are UL rated to withstand and close-into a short circuit currents up to 100kA in circuits protected by RK1 current limiting fuses or other fuses with lower let through energy like the Class CC type the fuseholders are designed for. 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.

Fuseholder models are available with 20A or 30A receptacles and feature Ferraz Shawmut Ultra-Safe Fuse Holders (UL 512 / IEC 269). The fuseholders 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.

product features (continued)

Circuit Breaker Equipped Models



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

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 powdercoat
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

UL Listings

Boxes:	UL 508A
Receptacles:	UL Subject 2682, UL 1682, CSA 22.2 No 182.1, IEC 60309-1
Fuseholder:	UL 512, IEC 269
Circuit Breaker:	UL 489, CSA 22.5 No. 5, IEC 60947-2
Supplementary:	UL 1077, CSA 22.2 No. 235, IEC 60947-2

Note: Components are UL/CSA listed but the complete assembly is not listed.

part numbers – mild steel boxes with ultra-safe fuse holders

Standard Box



Box with Viewing Window



Voltage	Polarity	Part #	
		20A	30A
120/208V	3P+N+G	FB-63-14167	FB-63-34167
125V	1P+N+G	FB-63-14075	FB-63-34075
125/250V	2P+N+G	FB-63-14076	FB-63-34076
208V	2P+G	FB-63-14162	FB-63-34162
208V	3P+G	FB-63-14163	FB-63-34163
250V	2P+G	FB-63-14072	FB-63-34072
250V	3P+G	FB-63-14073	FB-63-34073
277V	1P+N+G	FB-63-14045	FB-63-34045
277/480V	3P+N+G	FB-63-14047	FB-63-34047
347/600V	3P+N+G	n/a	FB-63-34147
480V	2P+G	FB-63-14042	FB-63-34042
480V	3P+G	FB-63-14043	FB-63-34043
600V	2P+G	n/a	FB-63-34142
600V	3P+G	n/a	FB-63-34143

Voltage	Polarity	Part #	
		20A	30A
120/208V	3P+N+G	FBW-63-14167	FBW-63-34167
125V	1P+N+G	FBW-63-14075	FBW-63-34075
125/250V	2P+N+G	FBW-63-14076	FBW-63-34076
208V	2P+G	FBW-63-14162	FBW-63-34162
208V	3P+G	FBW-63-14163	FBW-63-34163
250V	2P+G	FBW-63-14072	FBW-63-34072
250V	3P+G	FBW-63-14073	FBW-63-34073
277V	1P+N+G	FBW-63-14045	FBW-63-34045
277/480V	3P+N+G	FBW-63-14047	FBW-63-34047
347/600V	3P+N+G	n/a	FBW-63-34147
480V	2P+G	FBW-63-14042	FBW-63-34042
480V	3P+G	FBW-63-14043	FBW-63-34043
600V	2P+G	n/a	FBW-63-34142
600V	3P+G	n/a	FBW-63-34143

Receptacle Options	Part #
With 2 auxiliary contacts (30A only)	Part # - 972
Mushroom Pawl	Part # - 375
Padlock Pawl	Part # - 843
Closed lid configuration	Part # - NC



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

Ratings

<ul style="list-style-type: none"> Voltage 20A: 480 VAC 30A: 600 VAC 	<ul style="list-style-type: none"> Environmental Ratings Overall: NEMA Type 4 Box: NEMA Type 4, 12 Receptacle: NEMA Type 4X 	<ul style="list-style-type: none"> Temperature Range Min -40°F/Max 140°F 	<ul style="list-style-type: none"> Listings Box: UL 508A Receptacle: UL Subject 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1 Fuseholder: UL 512, IEC 269
--	---	--	--

part numbers – stainless steel boxes with ultra-safe fuse holders

Standard Box



Box with Viewing Window



Voltage	Polarity	Part #	
		20A	30A
120/208V	3P+N+G	FBSS-63-14167	FBSS-63-34167
125V	1P+N+G	FBSS-63-14075	FBSS-63-34075
125/250V	2P+N+G	FBSS-63-14076	FBSS-63-34076
208V	2P+G	FBSS-63-14162	FBSS-63-34162
208V	3P+G	FBSS-63-14163	FBSS-63-34163
250V	2P+G	FBSS-63-14072	FBSS-63-34072
250V	3P+G	FBSS-63-14073	FBSS-63-34073
277V	1P+N+G	FBSS-63-14045	FBSS-63-34045
277/480V	3P+N+G	FBSS-63-14047	FBSS-63-34047
347/600V	3P+N+G	n/a	FBSS-63-34147
480V	2P+G	FBSS-63-14042	FBSS-63-34042
480V	3P+G	FBSS-63-14043	FBSS-63-34043
600V	2P+G	n/a	FBSS-63-34142
600V	3P+G	n/a	FBSS-63-34143

Voltage	Polarity	Part #	
		20A	30A
120/208V	3P+N+G	FBWSS-63-14167	FBWSS-63-34167
125V	1P+N+G	FBWSS-63-14075	FBWSS-63-34075
125/250V	2P+N+G	FBWSS-63-14076	FBWSS-63-34076
208V	2P+G	FBWSS-63-14162	FBWSS-63-34162
208V	3P+G	FBWSS-63-14163	FBWSS-63-34163
250V	2P+G	FBWSS-63-14072	FBWSS-63-34072
250V	3P+G	FBWSS-63-14073	FBWSS-63-34073
277V	1P+N+G	FBWSS-63-14045	FBWSS-63-34045
277/480V	3P+N+G	FBWSS-63-14047	FBWSS-63-34047
347/600V	3P+N+G	n/a	FBWSS-63-34147
480V	2P+G	FBWSS-63-14042	FBWSS-63-34042
480V	3P+G	FBWSS-63-14043	FBWSS-63-34043
600V	2P+G	n/a	FBWSS-63-34142
600V	3P+G	n/a	FBWSS-63-34143

Receptacle Options	Part #
With 2 auxiliary contacts (30A only)	Recept # - 972
Mushroom Pawl	Recept # - 375
Padlock Pawl	Recept # - 843
Closed lid configuration	Recept # - NC



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

Ratings

<ul style="list-style-type: none"> Voltage 20A: 480 VAC 30A: 600 VAC 	<ul style="list-style-type: none"> Environmental Ratings Overall: NEMA Type 4X Box: NEMA Type 4, 4X, 12 Receptacle: NEMA Type 4X 	<ul style="list-style-type: none"> Temperature Range Min -40°F/Max 140°F 	<ul style="list-style-type: none"> Listings Box: UL 508A Receptacle: UL Subject 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1 Fuseholder: UL 512, IEC 269
--	--	--	--

part numbers – mild steel boxes with circuit breakers

Standard Box



Box with Viewing Window



Voltage	Polarity	Part #			Part #		
		20A	30A	60A	20A	30A	60A
120/208V	3P+N+G	CB-63-14167	CB-63-34167	CB-63-64167	CBW-63-14167	CBW-63-34167	CBW-63-64167
125V	1P+N+G	CB-63-14075	CB-63-34075	CB-63-64075	CBW-63-14075	CBW-63-34075	CBW-63-64075
125/250V	2P+N+G	CB-63-14076	CB-63-34076	CB-63-64076	CBW-63-14076	CBW-63-34076	CBW-63-64076
208V	2P+G	CB-63-14162	CB-63-34162	CB-63-64162	CBW-63-14162	CBW-63-34162	CBW-63-64162
208V	3P+G	CB-63-14163	CB-63-34163	CB-63-64163	CBW-63-14163	CBW-63-34163	CBW-63-64163
250V	2P+G	CB-63-14072	CB-63-34072	CB-63-64072	CBW-63-14072	CBW-63-34072	CBW-63-64072
250V	3P+G	CB-63-14073	CB-63-34073	CB-63-64073	CBW-63-14073	CBW-63-34073	CBW-63-64073
277V	1P+N+G	CB-63-14045	CB-63-34045	CB-63-64045	CBW-63-14045	CBW-63-34045	CBW-63-64045
277/480V	3P+N+G	CB-63-14047	CB-63-34047	CB-63-64047	CBW-63-14047	CBW-63-34047	CBW-63-64047
480V	2P+G	CB-63-14042	CB-63-34042	CB-63-64042	CBW-63-14042	CBW-63-34042	CBW-63-64042
480V	3P+G	CB-63-14043	CB-63-34043	CB-63-64043	CBW-63-14043	CBW-63-34043	CBW-63-64043

Receptacle Options	Part #	Circuit Protection Options	Part #
With 2 auxiliary contacts (30/60A only)	Part # - 972	'D' Trip Curve (20/30A only)	Part # - D
With 3 auxiliary contacts (60A only)	Part # - 973	'B' Trip Curve (60A only)	Part # - B
With 4 auxiliary contacts (60A only)	Part # - 974	Standard circuit protectors include a 'C' trip curve.	
Mushroom Pawl	Part # - 375	20A: Eaton 20A, 480V 'WMZT' circuit breaker*	
Padlock Pawl	Part # - 843	30A: Eaton 30A, 480V 'WMZT' circuit breaker*	
Closed lid configuration	Part # - NC	60A: Eaton 63A, 480V 'WMZS' supplementary protector**	
		* or equivalent UL 489 circuit breaker	
		** or equivalent UL 1077 supplementary protector	

Ratings			
<ul style="list-style-type: none"> Voltage 20A: 480 VAC 30A: 480 VAC 60A: 480 VAC 	<ul style="list-style-type: none"> Environmental Ratings Overall: NEMA Type 4 Box: NEMA Type 4, 12 Receptacle: NEMA Type 4X 	<ul style="list-style-type: none"> Temperature Range Min -40°F/Max 140°F 	<ul style="list-style-type: none"> Listings Box: UL 508A Receptacle: UL Subject 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1 Fuseholder: UL 512, IEC 269

part numbers – stainless steel boxes with circuit breakers

Standard Box



Box with Viewing Window



Voltage	Polarity	Part #			Part #		
		20A	30A	60A	20A	30A	60A
120/208V	3P+N+G	CBSS-63-14167	CBSS-63-34167	CBSS-63-64167	CBWSS-63-14167	CBWSS-63-34167	CBWSS-63-64167
125V	1P+N+G	CBSS-63-14075	CBSS-63-34075	CBSS-63-64075	CBWSS-63-14075	CBWSS-63-34075	CBWSS-63-64075
125/250V	2P+N+G	CBSS-63-14076	CBSS-63-34076	CBSS-63-64076	CBWSS-63-14076	CBWSS-63-34076	CBWSS-63-64076
208V	2P+G	CBSS-63-14162	CBSS-63-34162	CBSS-63-64162	CBWSS-63-14162	CBWSS-63-34162	CBWSS-63-64162
208V	3P+G	CBSS-63-14163	CBSS-63-34163	CBSS-63-64163	CBWSS-63-14163	CBWSS-63-34163	CBWSS-63-64163
250V	2P+G	CBSS-63-14072	CBSS-63-34072	CBSS-63-64072	CBWSS-63-14072	CBWSS-63-34072	CBWSS-63-64072
250V	3P+G	CBSS-63-14073	CBSS-63-34073	CBSS-63-64073	CBWSS-63-14073	CBWSS-63-34073	CBWSS-63-64073
277V	1P+N+G	CBSS-63-14045	CBSS-63-34045	CBSS-63-64045	CBWSS-63-14045	CBWSS-63-34045	CBWSS-63-64045
277/480V	3P+N+G	CBSS-63-14047	CBSS-63-34047	CBSS-63-64047	CBWSS-63-14047	CBWSS-63-34047	CBWSS-63-64047
480V	2P+G	CBSS-63-14042	CBSS-63-34042	CBSS-63-64042	CBWSS-63-14042	CBWSS-63-34042	CBWSS-63-64042
480V	3P+G	CBSS-63-14043	CBSS-63-34043	CBSS-63-64043	CBWSS-63-14043	CBWSS-63-34043	CBWSS-63-64043

Receptacle Options	Part #	Circuit Protection Options	Part #
With 2 auxiliary contacts (30/60A only)	Part # - 972	'D' Trip Curve (20/30A only)	Part # - D
With 3 auxiliary contacts (60A only)	Part # - 973	'B' Trip Curve (60A only)	Part # - B
With 4 auxiliary contacts (60A only)	Part # - 974	Standard circuit protectors include a 'C' trip curve.	
Mushroom Pawl	Part # - 375	20A: Eaton 20A, 480V 'WMZT' circuit breaker*	
Padlock Pawl	Part # - 843	30A: Eaton 30A, 480V 'WMZT' circuit breaker*	
Closed lid configuration	Part # - NC	60A: Eaton 63A, 480V 'WMZS' supplementary protector**	
		* or equivalent UL 489 circuit breaker	
		** or equivalent UL 1077 supplementary protector	

Ratings			
<ul style="list-style-type: none"> Voltage 20A: 480 VAC 30A: 480 VAC 60A: 480 VAC 	<ul style="list-style-type: none"> Environmental Ratings Overall: NEMA Type 4 Box: NEMA Type 4, 4X, 12 Receptacle: NEMA Type 4X 	<ul style="list-style-type: none"> Temperature Range Min -40°F/Max 140°F 	<ul style="list-style-type: none"> Listings Box: UL 508A Receptacle: UL Subject 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1 Fuseholder: UL 512, IEC 269