

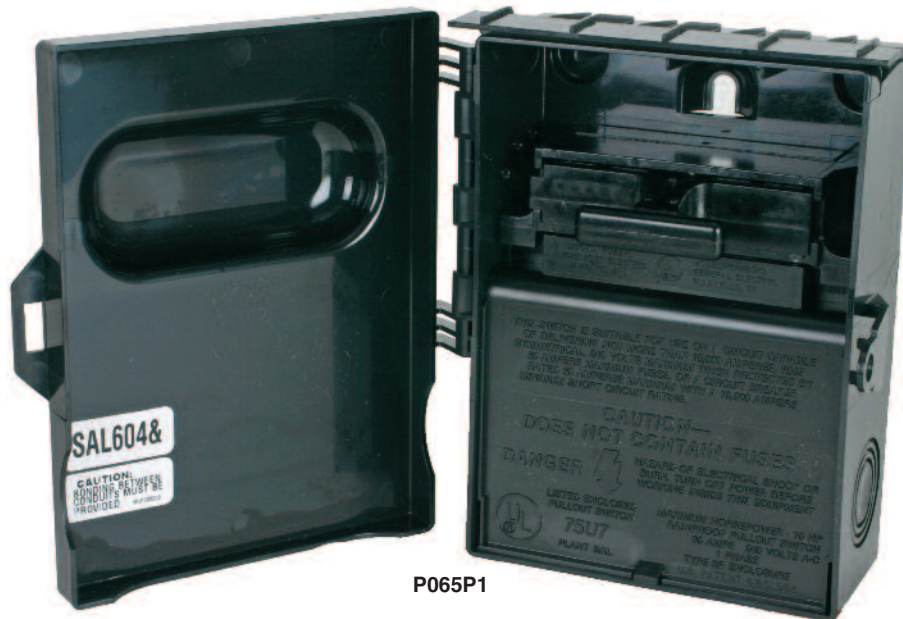
AC Disconnects



Midwest Electric Products, Inc.

Application Information

Article 440 of the National Electrical Code applies to electric motor-driven air conditioning and refrigerating equipment and to the branch circuits and controllers for such equipment. It provides for the special considerations necessary for circuits supplying hermetic refrigerant motor-compressors and for any air conditioning and/or refrigerating equipment that is supplied from an individual branch circuit that supplies a hermetic refrigerant motor-compressor.



Features and Benefits

Flexibility

- 30-100 Amp
- 240 Volts AC
- 1-phase and 3-phase, fusible and non-fusible
- UL & cUL Listed
- Horsepower rated (not DC rated)
- 10,000 AIC

Rugged Durability

- Noryl thermoplastic enclosure utilized in non-metallic models is corrosion resistant and extremely durable, helping deliver long, maintenance-free service
- Metallic models are made of heavy (G90) zinc coated galvanized steel with electro-deposition finish to resist corrosion and fading

User Safety

- Door has padlock provisions to help prevent unauthorized access

Installation Ease

- Removable cover on all metallic models
- Three piece construction that opens up mounting and wiring areas, reduces installation time
- Terminals approved for 60°C and 75°C wire, accepts solid 14-8 copper, 12-8 aluminum or stranded 14-3 copper, 12-3 aluminum
- Numerous knockouts reduce installation time
- Straight-in, straight-out wiring is designed to help save time and money

Technical Information

Model Number	Replacement Parts			Enclosure Style	Cabinet Dimensions				KO Detail
	Complete Block & Puller	Fuse Block Only	Puller Only		Height A	Width B	Depth C	Depth D	
P035F	FR39	—	FR352	Fig. C	8"	5 3/4"	3 1/8"	—	Fig. 1
P065F	FR69	—	FH682	Fig. C	8"	5 3/4"	3 1/8"	—	Fig. 1
P065P	—	NF65	NF652	Fig. F	8"	6"	5 3/4"	2 3/4"	Fig. 2
P065P1	—	NF65	NF652	Fig. F	7 1/4"	5"	2 1/8"	2 3/4"	Fig. 2
U035F2	—	FR35R	FR352R	Fig. A	7 1/4"	5"	2 1/8"	2 3/4"	Fig. 2
U0353F	—	—	—	Fig. B	14 3/8"	7 1/4"	5 3/16"	—	Fig. 3
U045F	FR35XFR67	—	FR352, FH682	Fig. B	17 3/8"	9 3/4"	5 3/16"	—	Fig. 4
U0653F	—	—	—	Fig. B	14 3/8"	7 1/4"	5 3/16"	—	Fig. 3
U0653P	—	—	—	Fig. B	14 3/8"	7 1/4"	5 3/16"	—	Fig. 3
U065F1	FR65	—	FH682	Fig. A	9"	5"	2 1/8"	2 3/4"	Fig. 2
U065NA1	NF65NA1	—	—	Fig. F	7 1/4"	5"	2 1/8"	2 3/4"	Fig. 2
U065P	—	NF65	NF652	Fig. A	7 1/4"	5"	2 1/8"	2 3/4"	Fig. 2
U220H	—	FH1	—	Fig. B	7 1/8"	5 3/4"	5 3/16"	—	Fig. 5
U261F	—	FH1	—	Fig. B	9 1/8"	7 1/4"	5 3/16"	—	Fig. 3
U610F	FR67X2	—	FH682	Fig. B	17 3/8"	9 3/4"	5 3/16"	—	Fig. 4

Dimensions and Knockouts

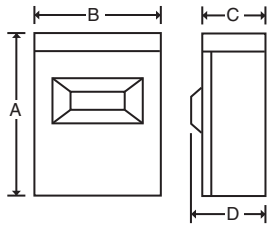


Fig. A

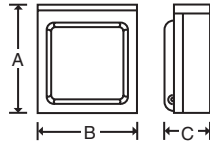


Fig. B

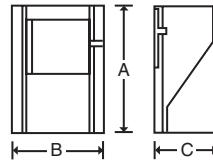


Fig. C

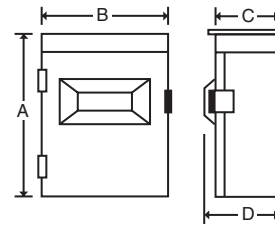


Fig. F

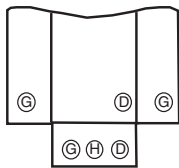


Fig. 1

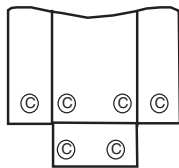


Fig. 2

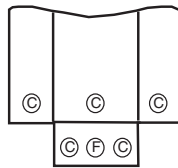


Fig. 3

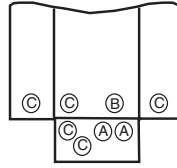


Fig. 4

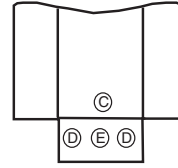


Fig. 5

Symbol	Knockouts
A	1", 1 1/4", 1 1/2"
B	3/4", 1", 1 1/4"
C	1/2", 3/4", 1"
D	1/2", 3/4"
E	1/2", 3/4", 1", 1 1/4"
F	1/2", 3/4", 1", 1 1/4", 1 1/2"
G	3/4", 1"
H	1", 1 1/4"

Featured Models

Non-Metallic, Non-Fusible Disconnects

Non-fusible disconnect pullers are removable or reinstalled in the OFF position for user safety during equipment maintenance.

UL	Model Number	Amp	Volts	Horsepower Rating	Wire Range	Cabinet Size	Unit Wt.	Std. Pkg.
Y	P065P1	60	240	10	D	5 x 7	2	6
Y	P065P	60	240	10	D	6 x 8	2	6



P065P1

Non-Metallic, Fusible Disconnects

Fusible disconnects are available in 30 and 60 Amp models. Pullers are removable or re-installable in the OFF position for user safety during equipment maintenance. The P065F UL Listing includes the ability to field replace the 60 Amp puller with 30 Amp puller (FR352) for installation flexibility. Listed for use as service entrance.

UL	Model Number	Circuit Protection	Amp	Volts	Horsepower Rating	Wire Range	Cabinet Size	Unit Wt.	Std. Pkg.
Y	P035F	FR39	30	240	3	D	6 x 8	2	6
Y	P065F	FR69	60	240	10	D	6 x 8	2	6



P035F

Metallic, Non-Fusible Disconnects, Single-Phase and Three-Phase

Non-fusible disconnect pullers are removable or reinstalled in the OFF position for user safety during equipment maintenance.

UL	Model Number	Phase	Amp	Volts	Horsepower Rating	Wire Range	Cabinet Size	Unit Wt.	Std. Pkg.
Y	U065P	1	60	240	10	D	5 x 7	3	6
Y	U0653P	3	60	240	7.5-15	D	6 x 14	8.5	4



U065P

Metallic, Fusible Disconnects, Single-Phase and Three-Phase

Fusible disconnects are available in 30 and 60 Amp models. Pullers are removable or re-installable in the OFF position for user safety during equipment maintenance. Listed for use as service entrance.

UL	Model Number	Phase	Circuit Protection	Amp	Volts	Horsepower Rating	Wire Range	Cabinet Size	Unit Wt.	Std. Pkg.
Y	U035F2	1	FR35R	30	240	3	D	5 x 9	4	6
Y	U065F1	1	FR65	60	240	10	D	5 x 9	4	6
Y	U0353F	3	—	30	240	3-7.5	D	6 x 14	8.5	4
Y	U0653F	3	—	60	240	7.5-15	D	6 x 14	8.5	4



U065F1

Non-Automatic Disconnect Switch

UL	Model Number	Phase	Amp	Volts	Horsepower Rating	Wire Range	Cabinet Size	Unit Wt.	Std. Pkg.
Y	U065NA1	1	60	240	10	D	5 x 7	2.5	6
Y	P065NA1	1	60	240	10	D	5 x 7	2	6



U065NA1

Heat Pump, Fusible Disconnects

Multiple disconnect devices are offered for heat pump applications that require individual disconnects for the heating and cooling cycles. All pullers are removable or reinstalled in the OFF position for user safety during equipment maintenance. Their UL Listing includes the ability to field replace the 60 Amp puller in the left fuse block with a 30 Amp puller (FH352) for installation flexibility but prohibits the interchangeability of pullers between fuse blocks to ensure the proper fuse/puller combination is always reinstalled in the proper fuse block.

UL	Model Number	Circuit Protection	Amp	Volts	Horsepower Rating	Wire Range	Cabinet Size	Unit Wt.	Std. Pkg.
Y	U045F	FR35XFR67	90	120/240	10	Y	9 x 17	13.5	1
Y	U610F	FR69	100	120/240	10	Y	9 x 17	13.5	1



U610F

Evaporation Cooler, Fusible Disconnects

Evaporation cooler applications not only require fusing but switching or receptacle function depending on equipment type and local codes. Two models are offered to meet these varied evaporation cooler applications.

UL	Model Number	Receptacles	Circuit Protection	Amp	Volts	Horsepower Rating	Wire Range	Cabinet Size	Neutral Bar	Unit Wt.	Std. Pkg.
N	U220H	DPST Switch SPST Switch	(2) FH1	20	120/240	—	AR	5 x 7	—	4.5	4
Y	U261F	14-20R 5-20R2	(3) FH1	40	120/240	—	E	6 x 9	—	6.5	4



U261F

Wire Range Tables

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Table D				
Line	14-8	14-3	12-8	12-3
Load	14-8	14-3	12-8	12-3
Neutral	—	—	—	—
Equipment Ground	12-8	12-2	12-8	12-2
Table E				
Line	14-10	14-10	—	—
Load	14-10	14-10	—	—
Neutral	14-10	14-10	—	—
Equipment Ground	12-8	12-2	—	—
Table Y				
Line	14-8	14-1/0	12-8	12-1/0
Load	14-8	14-2	12-10	12-2
Neutral	14-8	14-1/0	12-8	12-1/0
Table AR				
Line	14-10	14-10	—	—
Load	14-10	14-10	—	—
Neutral	—	—	—	—
Equipment Ground	12-8	12-2	—	—

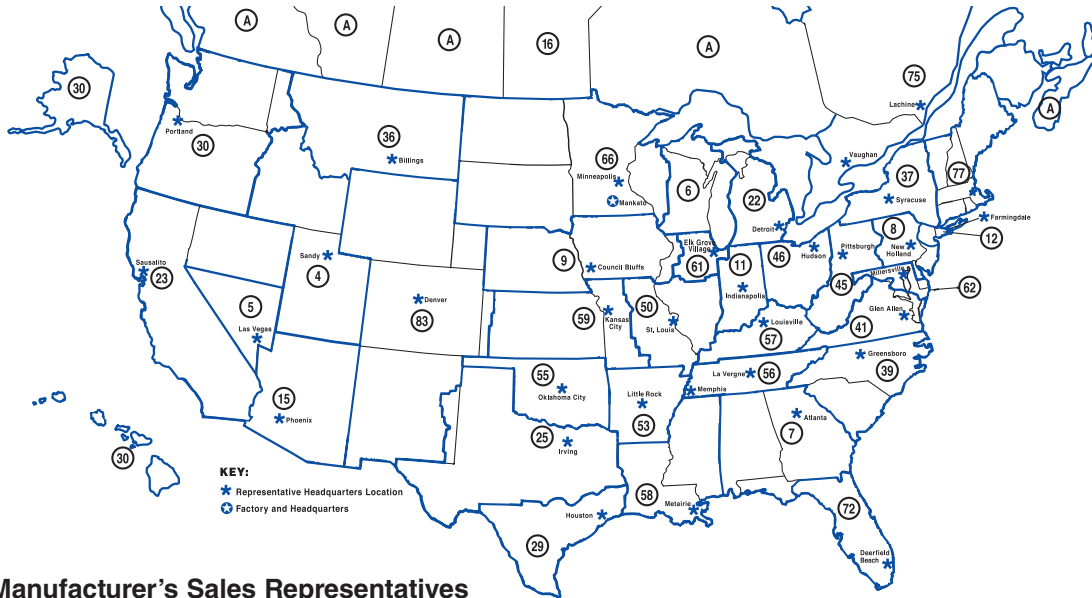
Exterior Mounting Bracket STC1

Exterior Mounting Bracket for single-phase AC & AC/GFCI Disconnects in aluminum, vinyl siding and stucco applications. Order quantity in multiples of six. Mounting hardware for fastening AC disconnect to STC1 included.



STC1

Midwest Electric Products, Inc.



Authorized Manufacturer's Sales Representatives

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