

HOM Circuit Breakers

HOM Circuit Breakers



Circuit Breaker Type	Plug-on	HOM		HOM-CAFI	HOM-DF	HOM-GFI		HOM-EPD		HOMT
	Bolt-on	—	—	—	—	—	—	—	—	—
Number of Poles	Unit Mount	1	2	1, 2	1	1	2	1	2	1
Current Range (A)		15–50	15–200 [18]	15–20	15–20	15–20	15–50	15–20	15–50	15–50 [19]
Interrupting Ratings										
UL/CSA Rating (kA) (50/60 Hz)	120 Vac	10	10	10	10	10	10	10	10	10
	120/240 Vac	10	10	10	—	—	10	—	10	10
	208Y/120	—	—	—	—	—	—	—	—	—
	240 Vac [20]	—	—	—	—	—	—	—	—	—
	277 Vac	—	—	—	—	—	—	—	—	—
DC Ratings	480Y/277 Vac	—	—	—	—	—	—	—	—	—
	48 Vdc	—	—	—	—	—	—	—	—	—
	60 Vdc	—	—	—	—	—	—	—	—	—
	65 Vdc	—	—	—	—	—	—	—	—	—
	125 Vdc	—	—	—	—	—	—	—	—	—
IEC 60947-2 (50/60 Hz) [21]	250 Vdc	—	—	—	—	—	—	—	—	—
	IEC (Icu)	—	—	—	—	—	—	—	—	—
Special Ratings										
CCC		—	—	—	—	—	—	—	—	—
Fed. Specs W-C-375B/GEN		X	X	X	X	X	X	X	X	X
Other Standard		HACR [22] NOM			HACR [22]					
Accessories and Modifications										
Shunt Trip [23]		—	—	—	—	—	—	—	—	—
Undervoltage Trip		—	—	—	—	—	—	—	—	—
Auxiliary Switches [23]		—	—	—	—	—	—	—	—	—
Alarm Switch [23]		—	—	—	—	—	—	—	—	—
Handle Operators		—	—	—	—	—	—	—	—	—
Handle Padlock Attachment		X	X	X	X	—	—	—	—	X [24]
Trip System Type										
Thermal-magnetic		X	X	X	X	X	X	X	X	X
Molded Case Switch		—	—	—	—	—	—	—	—	—
Dimensions (1P Unit Mount)										
Dimensions (1P Unit Mount) in. (mm)	Height	3.13 (79)								
	Width	1.00 (25)								
	Depth	2.98 (76)								
Pages		page 1-16								

[18] 2P 150–200 A requires 4P width.
 [19] HOMT tandem is 30 A maximum. HOMT quad tandem has 20 A maximum on outside poles, and 50 A maximum on the inside poles.
 [20] See the Supplemental Digest, Section 3 for 3Ø corner grounded systems.
 [21] See the Supplemental Digest Section 10 for circuit breakers with IEC ratings.
 [22] HACR on HOM 1P 15–50 A and 2P 15–100 A.
 [23] Factory-installed option only.
 [24] Handle padlock attachment available for HOMT quad tandem only.



HOM 1P GFI
(With Ground Fault
Circuit Interrupter)
1 Space Required



HOM 2P GFI
(With Ground Fault
Circuit Interrupter)
2 Spaces Required

Homeline GFI (HOM-GFI)

HOM-GFI circuit breakers provide overload and short circuit protection, combined with Class A ground fault protection. Class A denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 milliamperes or more.

Table 7.33: HOM-GFI

Ampere Rating	AIR	1P—120 Vac 1 Space Required	2P—120/240 Vac Common Trip 2 Spaces Required
15 A	10 kA	HOM115GFI	HOM215GFI
20 A	10 kA	HOM120GFI	HOM220GFI
30 A	10 kA	—	HOM230GFI
40 A	10 kA	—	HOM240GFI
50 A	10 kA	—	HOM250GFI

Homeline Equipment Protection Device (HOM-EPD)

Homeline Equipment Protection Device—Circuit Breakers with 30 mA Equipment Ground Fault Protection (UL Listed).

Table 7.34: HOM-EPD—10 k AIR

Amperes	1P—120 Vac	2P—120/240 Vac Common Trip
15 A	HOM115EPD	HOM215EPD
20 A	HOM120EPD	HOM220EPD
25 A	—	HOM225EPD
30 A	—	HOM230EPD
40 A	—	HOM240EPD
50 A	—	HOM250EPD

HOMT Tandem and HOMT Quad Tandem Circuit Breakers

Table 7.35: HOMT Tandem Circuit Breakers

Ampere Rating [6]	AIR	1P Tandem—120/240 Vac (One Space Required)
15 and 15 A	10 kA	HOMT1515 [7]
15 and 20 A	10 kA	HOMT1520 [7]
20 and 20 A	10 kA	HOMT2020 [7]
30 and 15 A	10 kA	HOMT3015 [7]
30 and 20 A	10 kA	HOMT3020 [7]

Table 7.36: HOMT Quad Tandem Circuit Breakers

Ampere Rating [6]		AIR	2P Tandem—120/240 Vac (Two Spaces Required)
1P	2P		
(2) 15 A	15 A	10 kA	HOMT1515215 [7]
(2) 15 A	20 A	10 kA	HOMT1515220 [7]
(2) 15 A	25 A	10 kA	HOMT1515225 [7]
(2) 15 A	30 A	10 kA	HOMT1515230 [7]
(2) 15 A	40 A	10 kA	HOMT1515240 [7]
(2) 15 A	50 A	10 kA	HOMT1515250 [7]
(2) 20 A	20 A	10 kA	HOMT2020220 [7]
(2) 20 A	25 A	10 kA	HOMT2020225 [7]
(2) 20 A	30 A	10 kA	HOMT2020230 [7]
(2) 20 A	40 A	10 kA	HOMT2020240 [7]
(2) 20 A	50 A	10 kA	HOMT2020250 [7]

NOTE: Typical catalog number (e.g. HOMT 1515230) represents two 1P, outer poles (two 15 A 1P CBs) and one 2P inner circuit breaker with common trip (one 30 A 2P CB).

Homeline Circuit Breaker Wire Sizes

Table 7.37: Circuit Breaker Wire Sizes

Breaker Type	Ampere Rating	Wire Size (AWG/kcmil) [8]	
		Aluminum	Copper
HOM 1P	15–30 A	14–8 AWG	14–8 AWG or (2) 14–10 AWG
	40–50 A	8–2 AWG	8–2 AWG
HOM 2P	15–30 A	14–8 AWG	14–8 AWG or (2) 14–10 AWG
	35–70 A	8–2 AWG	8–2 AWG
	80–125 A	4–2/0 AWG	4–2/0 AWG
	150–200 A	4 AWG–300 kcmil	4 AWG–300 kcmil
HOMT and Quad	15–30 A	14–8 AWG	14–8 AWG
Quad Only	40–50 A	6–12 AWG	6–14 AWG
HOM-GFI - 1P	15–20 A	14–10 AWG	14–10 AWG
HOM-GFI - 2P	15–50 A	12–4 AWG	14–6 AWG



HOMT Quad
Circuit Breaker
2 Spaces Required

[6] 15–20 A tandem or quad tandem circuit breakers are suitable for use with 60°C or 75°C conductors. 25–50 A tandem or quad tandem circuit breakers are suitable for use with 75°C conductors only.

[7] UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.

[8] 15–30 A circuit breakers are suitable for use with 60°C or 75°C conductors. 40–125 A circuit breakers are suitable for use with 75°C conductors.