

**PowerPact Circuit Breaker Enclosures**

The enclosures for the family of PowerPact circuit breakers H- through Q-frame are cULus listed unless otherwise noted. The enclosures are suitable for service entrance equipment when neutral assembly is installed. The short circuit current rating of the enclosed circuit breakers is equal to the rating of the circuit breaker installed unless otherwise noted. All enclosures will accept 100% rated circuit breakers unless otherwise noted.

**PowerPact H- and J-Frame Circuit Breaker Enclosures**

The enclosures' maximum short circuit ratings are 25 kAIR at 600 Vac, 65 kAIR at 480 Vac, 125 kAIR at 240 Vac and 20 kA at 250 Vdc unless otherwise noted. Enclosures accept 100% rated circuit breakers [5]. The enclosures are not compatible with earth-leakage or ground-fault modules.

**Table 7.157: PowerPact H- and J-Frame Circuit Breaker Enclosures**

Circuit Breaker			Enclosure Cat. No.			Neutral Assembly Kit	Service Ground Kit
Cat. No. Prefix	Rating	Poles	NEMA 1 Flush	NEMA 1 Surface	NEMA 3R	Cat. No.	Cat. No.
HDL	15–100 A	3	—	HD100S [6][7][8]	—	SN100FA	PKOGTA2
HDL, JDL	125–225 A 125–250	3	—	JD250S [9][7][8]	—	SN225KA SN400LA	PKOGTA2
HDL, HGL	15–100 A	2	H150F	H150S	H150R [10]	SN100FA SN400LA	PKOGTH150
HJL, HLL	15–100 A	2	J250F	J250S [11]	J250R [10][12]	SN100FA	PKOGTH150
HDL, HGL, HJL, HLL	15–100 A	3				SN400LA [13]	
JDL, JGL, JLL, JLL	125–150 A	3					
	150–250 A	2, 3					PKOGTJ250
			NEMA 4, 4X, 5 [14] Type 304 Stainless Steel [15]	NEMA 4, 4x, 5 [14] Type 316 Stainless Steel [15]	NEMA 12/3R Without Knockouts [15]		
HDL, HGL, HJL, HLL	15–100 A	2, 3	J250DS [16]	J250SS [16]	J250AWK [16]	SN100FA	PKOGTH150
	125–150 A	2, 3					
JDL, JGL, JLL, JLL	150–250 A	2, 3				SN400LA [13]	

**PowerPact L-Frame Circuit Breaker and Molded Case Switch Enclosures**

All enclosures accept 80% rated circuit breakers. The enclosures will also accept 100% rated circuit breakers to 400 amps. The enclosures have a blank top end wall and require field-cut openings. For details and hub catalog numbers see page 3–10.

**Table 7.158: PowerPact L-Frame Circuit Breaker Enclosures**

Circuit Breaker			Cat. No.			
Cat. No. Prefix	Rating	Poles	NEMA 12/3R Enclosures Without Knockouts	Neutral Assembly Kit	Copper Only Neutral Assembly Kit	Service Ground Kit
LDL, LGL, LJL, LLL, LRL	250–400 A 400–600 A	3	L600AWK [17][15][16]	SN400LA SN1000MA	SNC400LX SNC800LX	PKOGTA4
LGL, LLL, LRL	250–400 A 400–600 A	3	L600AWKMC [18][15]	SN400LA SN1000MA	SNC400LX SNC800LX	PKOGTA4

**PowerPact Q-Frame Circuit Breaker Enclosures**

The enclosures for the PowerPact Q Frame Circuit Breaker are UL listed. The short circuit ratings of these enclosed circuit breakers are equal to the interrupter ratings, at the supply voltage marked on the circuit breaker installed, unless otherwise noted.

**Table 7.159: PowerPact Q-Frame Circuit Breaker Enclosures**

Circuit Breaker			Enclosure Cat. No.			Neutral Assembly Kit	Service Ground Kit
Cat. No. Prefix	Rating	Poles	NEMA 1 Flush	NEMA 1Surface	NEMA 3R	Cat. No.	Cat. No.
QBL, QDL, QGL, QJL [19]	70–225 A	2 2, 3	— Q23225NF	Q22200NS [20] Q23225NS	Q22200NRB [20] Q23225NRB	—	PKOGTA2

[5] Use only 90°C (minimum) rated wire sized per ampacity of 75°C rated conductors for 100% rated circuit breakers.

[6] Rated for 240 Vac maximum. Short circuit current rating is 25 kAIR at 240 Vac.

[7] Accepts standard 80% rated circuit breakers only. Not rated for 100% rated circuit breakers.

[8] Use copper conductors only.

[9] Rated 480 Vac maximum. Short circuit current rating is 18 kAIR at 480 V.

[10] For conduit entry through the top end wall use one of the following Square D conduit hubs: A200L for 2.00 in., A250L for 2.50 in., A300L for 3.00 in., A350L for 3.50 in. or A400L for 4.00 in.

[11] Add suffix BE if no knockouts are required on the end walls.

[12] For access to the circuit breaker's standard, ammeter or energy trip unit panel/LCD, add suffix T.

[13] For 200% neutral use copper wire only.

[14] Complete rating is NEMA 3, 3R, 4, 4X, 5, and 12.

[15] For NEMA 3R applications, remove drain screw from bottom endwall.

[16] Add suffix VW for visibility to the standard, ammeter or energy trip unit of the PowerPact circuit breaker.

[17] Will accept PowerPact L-frame circuit breakers and Motor Protectors with suffixes M38X

[18] Will accept PowerPact L-frame Molded Case Switches.

[19] When the QJL circuit breaker is installed in the enclosure, the enclosure is limited to Short Circuit Current ratings of 65 kAIR at 240 V and 100 kAIR at 208 V.

[20] Limited to 200 A.

Enclosure Dimensions

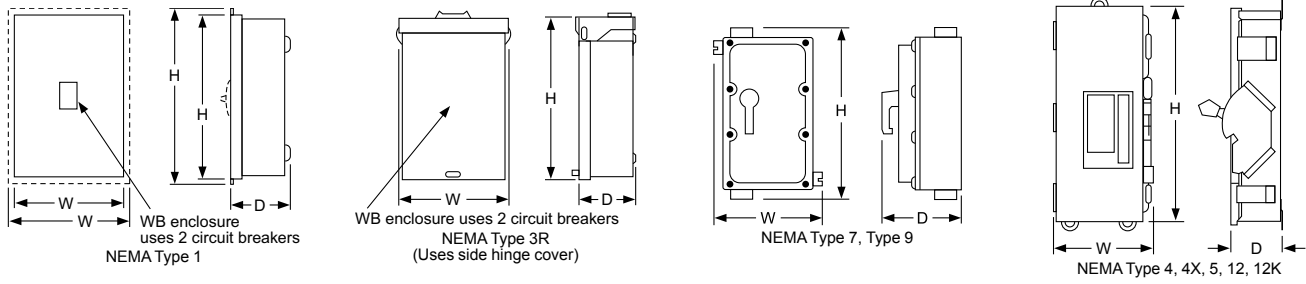


Table 7.166: Dimensions

Cat. No.	Series	Approximate Dimension					
		H		W		D	
		in.	mm	in.	mm	in.	mm
FA100A, AWK	E05	19.50	495	9.13	232	4.88	124
FA100DS	E05	19.50	495	9.13	232	4.88	124
FA100F	E2	19.50	495	9.88	251	4.13	105
FA100RB	E2	18.00	457	8.88	226	4.88	124
FA100S	E2	18.13	461	8.63	219	4.13	105
FA060X	E1	16.00	406	9.88	251	7.00	178
FA060Y	E1	16.00	406	9.88	251	7.00	178
FA100X	E1	16.00	406	9.88	251	7.00	178
FA100Y	E1	16.00	406	9.88	251	7.00	178
HD100S	A01	17.00	431.8	7.90	200.7	4.75	120.7
H150F	A01	32.40	823	15.40	391	6.00	152
H150R	A01	31.05	789	14.47	368	6.28	160
H150S	A01	31.36	797	14.36	365	6.00	152
J250F	A01	32.40	823	15.40	391	6.00	152
J250R	A01	31.05	789	14.47	368	6.28	160
J250S	A01	31.36	797	14.36	365	6.00	152
J250DS	A01	32.26	819	9.72	247	7.94	202
J250SS	A01	32.26	819	9.72	247	7.94	202
J250AWK	A01	32.26	819	9.72	247	7.94	202
JD250S	A01	26.40	670.6	8.90	226.1	5.50	139.7
J225X	A01	22.70	577	10.93	278	7.70	196
J225Y	A01	22.70	577	10.93	278	7.70	196
KA250SWB	E2	20.00	508	19.00	483	5.63	143
KA250RWB	E2	20.25	514	19.00	483	7.12	181
L600AWK	A01	57.50	1461	20.38	518	8.25	210
L600AWKVW	A01	57.50	1461	20.38	518	8.25	210
L600AWKMC	A01	57.50	1461	20.38	518	8.25	210
L1200S	A01	51.88	1318	20.25	514	7.75	197
LA400AWK	E05	42.25	1073	13.75	349	7.25	184
LA400DS	E05	42.25	1073	13.75	349	7.25	184
LA400F	E03	45.63	1159	16.50	419	6.50	165
LA400R	E03	44.00	1118	15.38	391	7.88	200
LA400S	E03	44.50	1130	15.38	391	6.50	165
LA400LS	A01	27.40	696.0	15.40	391.2	6.625	168.3
M800S	A01	40-3/8	1025.52	21	533.4	9-3/4	247.65
M800R	A01	40-3/8	1025.52	21	533.4	9-3/4	247.65
M800DS	A01	40-7/8	1036.96	20-3/4	527.05	9-1/2	241.3
M800SS	A01	40-7/8	1036.96	20-3/4	527.05	9-1/2	241.3
M800AWK	A01	40-7/8	1036.96	20-3/4	527.05	9-1/2	241.3
P1200S	A01	52-1/8	1323.98	21	533.4	9-3/4	247.65
P1200R	A01	52-1/8	1323.98	21	533.4	9-3/4	247.65
P1200AWK	A01	53	1346.20	20-3/4	527.05	9-1/2	241.3
Q22200NRB	E05	23.38	594	7.63	194	4.75	121
Q22200NS	E05	23.13	588	7.63	194	4.25	108
Q23225NF	E05	26.25	667	9.88	251	4.75	121
Q23225NRB	E05	26.25	667	9.88	251	5.50	140
Q23225NS	E05	26.25	667	9.88	251	4.75	121