

LA/LH/Q4 Circuit Breaker Enclosures

LA/LH/Q4 Thermal-Magnetic Circuit Breaker Enclosures

The enclosures for the LA/LH/Q4 thermal-magnetic circuit breakers are UL listed and CSA certified. The enclosures are suitable for service entrance equipment when neutral assembly is installed. The short circuit ratings of these enclosed circuit breakers are equal to the interrupter rating, at the supply voltage marked on the circuit breaker installed.

The LA400R enclosure has a blank top end wall and requires field cut openings. For details and hub catalog numbers see Digest Section 3.



Table 7.180: LA/LH/Q4 Thermal-Magnetic Circuit Breaker Enclosures

Circuit Breaker			Enclosure			Neutral Assembly Kit	Service Ground Kit
Cat. No. Prefix	Rating	Poles	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
			NEMA 1 Flush	NEMA 1 Surface	NEMA 3R		
LAL, LHL, Q4L	125–225 A	2, 3	LA400F [24]	LA400S [24]	LA400R	SN225KA	PKOGTA2
	225–400 A					400SN	
LAL	125–400	3	—	LA400LS [25] [26] [27] [28]	—	SN400LA	
			NEMA 4, 4X, 5 [29] Type 304 Stainless Steel [30]	NEMA 12K With Knockouts [30]	NEMA 12/3R Without Knockouts [30]		
LAL, LHL, Q4L	125–225 A	2, 3	LA400DS [27]	—	LA400AWK [27]	SN225KA	PKOGTA2
	225–400 A					SN400LA	

Enclosures for Special Applications

Hazardous Locations: NEMA 7 And NEMA 9 Circuit Breaker Enclosures

The NEMA 7 and 9 enclosures are cULus listed unless otherwise noted. They are rated for use in hazardous locations as defined in NEC Article 500. The short circuit current rating of the enclosed circuit breakers is equal to the rating of the circuit breaker installed unless otherwise noted. They are suitable for use as service entrance equipment when neutral is installed. Enclosures require the use of 75°C copper wire only. The NEMA 7 enclosures are suitable for rainproof applications when the included PKDB1 breather and drain kit is installed.

Table 7.181: NEMA 7 and NEMA 9 Circuit Breaker Enclosures; Thermal-Magnetic B-Frame and PowerPact J-Frame Circuit Breakers

Circuit Breaker			Enclosure Catalog Number		Neutral Assembly Kit Cat. No.	Service Ground Kit Cat. No.	Threaded Conduit Provisions, Inches
Cat. No. Prefix	Rating	Poles	NEMA 7/9 Cast Aluminum [31] [32]	NEMA 9 Cast Aluminum [32]			
BKL	15–30 A	2	B100X	—	100SNA	Included	1 1/4 in.
BDL, BGL, BJL	15–100 A	2, 3					
JDL, JGL	150–225 A	2, 3	J225X [33] [34]	J225Y [33] [34]	225SNA	Included	2 1/2 in.

Enclosed Molded Case Switches

For information on enclosed molded case switches, see Supplemental Digest Section 3.

[24] Enclosures are provided with the Handle Padlock Attachment (HPALM) for field installation to lock the circuit breaker in the "ON" or "OFF" positions.

[25] Use copper conductors only.

[26] Maximum short circuit and voltage is 30 kAIR at 480 Vac.

[27] LAL or LHL circuit breakers with an MB or MT suffix are not compatible with these enclosures: LA400DS, LA400AWK, and LA400LS.

[28] Enclosure cover has an integral padlock provision to provide a means to lock the circuit breaker in the "ON" or "OFF" position.

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

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

[31] NEMA 7 — Indoor Hazardous Locations — Division 1 and 2, Class I, Groups C and D; Class II, Groups E, F and G; Class III

[32] NEMA 9 — Indoor Hazardous Locations — Division 1 and 2, Class II, Groups E, F and G; Class III

[33] Short circuit current rating: 65 kAIR at 240 Vac, 25 kAIR at 480 Vac, and 18 kAIR at 600 Vac

[34] Not cULus listed due to wire bending space.