

Light Duty—Visible Blades 10 kA Short Circuit Current Rating

The Square D light duty enclosed switch is ideal for home applications in disconnecting power to workshops, hobby rooms, furnaces, and garages. The light duty safety switch has visible blades and a ground lug as standard features.



L221N

Table 3.1: Fusible

System	Amperes	Fuse	NEMA 1 Indoor Cat. No.	Horsepower Ratings			
				120 Vac		240 Vac	
				Std.	Max.	Std.	Max.
2 Wire (1 Blades and Fuseholders, 1 Neutral)—120 Vac							
	30	Plug	L111N	—	—	—	—
3 Wire (2 Blades and Fuseholders, 1 Neutral)—120/240 Vac							
	30	Plug Cart	L211N L221N	1/2 1/2	2 2	1-1/2 1-1/2	3 3

General Duty—Up To 100 kA Short Circuit Current Rating

General duty safety switches are designed for residential and commercial applications where durability and economy are prime considerations. Typical loads are lighting, air conditioning, and appliances. They are suitable for use as service equipment when equipped with a factory or field-installed neutral assembly or a field-installed service grounding kit, (see page 3-4) as applicable.

General duty safety switches are UL Listed, File E2875, and meet or exceed the NEMA Standard KS1.

240 Volt—Single Throw Fusible Switches

Table 3.2: Fusible



D223N

System	Amperes	Fuse	NEMA 1 Indoor Cat. No.	NEMA 3R [1] Rainproof Cat. No.	Class R Fuse Kits [2] Cat. No.	Horsepower Ratings			
						Std. (Fast Acting One-Time Fuses)		Max. (Dual Element Time-Delay Fuses)	
						1Ø	3Ø	1Ø	3Ø
2 Wire (1 Blade and Fuseholder, 1 Neutral)—120 Vac									
	30	Plug	Use Light Duty Device for this Application (see above)			—	—	—	—
	30	Cart.	Use three-wire devices for this application.			—	—	—	—
3 Wire (2 Blades and Fuseholders, 1 Neutral)—120/240 Vac (Plug), 240 Vac (Cart.) Maximum									
	30	Plug	D211N	D211NRB	—	1-1/2	—	3	—
	30	Cart.	D221N	D221NRB	DRK30	1-1/2	3[3]	3	7-1/2[3]
	60	Cart.	D222N	D222NRB	RFK03H	3	7-1/2[3]	10	15[3]
	100	Cart.	D223N	D223NRB	RFK10	7-1/2	15[3]	15	30[3]
	200	Cart.	D224N [4]	D224NRB [4]	HRK1020	15	25[3]	—	60[3]
	400	Cart.	D225N	D225NR	DRK40	—	—	—	—
	600 [5]	Cart.	D226N	D226NR	DRK600	—	—	—	—
4 Wire (3 Blades and Fuseholders, 1 Neutral)—240 Vac Maximum									
	30	Cart.	D321N	D321NRB	DRK30	1-1/2	3	3	7-1/2
	60	Cart.	D322N	D322NRB	RFK03H	3	7-1/2[6]	10	15[6]
	100	Cart.	D323N	D323NRB	RFK10	7-1/2	15[6]	15	30[6]
	200	Cart.	D324N [4]	D324NRB [4]	HRK1020	15	25[6]	—	60[6]
	400	Cart.	D325N	D325NR	DRK40	—	50	—	125
	400 [7]	Class T	D325NT	D325NTR	—	—	50	—	—
	600 [5]	Cart.	D326N	D326NR	DRK600	—	75	—	150
	600 [7]	Class T	D326NT	D326NTR	—	—	75	—	—
	800 [7]	Class T	T327N	T327NR	—	—	100	—	—

[1] Bolt-on hubs —Refer to Rainproof Bolt-On Hubs, Table 1.27, page 3-13.

[2] When properly installed, the Class R Fuse Kit rejects all but Class R fuses.

[3] For corner grounded delta systems only. Use switching poles for ungrounded conductors. See data bulletin 2700DB0202 for additional information.

[4] For 200% neutral, order (1) additional neutral kit SN20A and (1) neutral jumper kit SN20NI.

[5] Order Class J Fuse Kit GDJK600 if using Class J fuses.

[6] If corner grounded delta, use outer switching poles for ungrounded conductors.

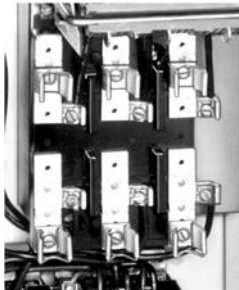
[7] D325NT, D325NTR, D326NT, D326NTR, T327N and T327NR accept only 300Vac Class T fuses.



Class 9422 TC33 Fuse Block



Class 9999 Type TC10



Class 9999 Type S2 Interchangeable Fuse Clips

Fuse Block Replacement Parts Kits

Class 8538 (Series D and newer), Class 8738 (Series E and newer), and Class 8903 (Series C and newer) Type S non-fusible combination starters and lighting contactors (sizes 0–2, 30 to 60 A) can be converted to the fusible type by installing a Class 9422 Fuse Clip Kit. Both fusible and non-fusible combination devices have the same size enclosure in NEMAs 1, 4, and 12 construction, which permits this conversion. The 9422 Fuse Clip Kits contain line and load fuse clips, load base, and fuse pullers.

Table 16.387: Class 9422 Replacement Fuse Clip Kits

Device Used on	Disconnect Ampere Rating	NEMA Class H, K, J, R Fuses		Class and Type	Class R Fuse Clip Kits
		Fuse Clip Ratings (A)			
Size or Ampere Rating		250 V Max.	600 V Max.		
0, 1, and 30 A	30	0–30	—	9422TC30 [15]	RFK03 [16]
0, 1, and 30 A	30	31–60	0–30	9422TC33 [15]	RFK06 [16]
2 and 60 A	60	31–60	0–30	9422TC33	RFK06 [16]
2 and 60 A	60	—	31–60	9422TD63	RFK06H [16]

Table 16.388: Class 9999 Replacement Fuse Clip Kits (8538 Pre-Series D, 8738 Pre-Series E)

Device Used on	Disconnect Ampere Rating	NEMA Class H Fuses			NEMA Class R Fuses			NEMA Class J Fuses	
		Fuse Clip Ratings (A)		Type	Fuse Clip Ratings (A)		Type	Fuse Clip Ratings (A) 600 V Max.	Type
		250 V Max.	600 V Max.		250 V Max.	600 V Max.			
0, 1, and 30 A	30	0–30	—	S1	0–30	—	SR1	—	—
		31–60	0–30	S2	31–60	0–30	SR2	0–30	SJ2
2 and 60 A	60	31–60	0–30	S2	31–60	0–30	SR2	0–30	SJ2
		—	31–60	S3	—	31–60	SR3	31–60	SJ3
3 and 100 A	100	61–100	61–100	S4 [17]	61–100	61–100	SR4 [18]	61–100	SJ4
		101–200	—	S5 [17]	101–200	—	SR4 [18]	—	—
4 and 200 A	200	101–200	101–200	S5 [17]	101–200	101–200	SR4 [18]	—	—
5 and 300 A	400	—	—	—	201–400	201–400	SR5 [18]	—	—
6 and 400, 600 A	600	—	—	—	401–600	401–600	SR5 [18]	—	—

Table 16.389: Class 9999 Auxiliary Contact Kits for Disconnect Switches and Circuit Breakers

Class	Type	SPDT	DPDT	Class	Type	SPDT	DPDT
		Type	Type			Type	Type
8538, 8738	SB, SC (Series C)	R45	R46	Disconnect Switches			
8539, 8739	SB, SC, SD, SE, SF, SG	R26	R27	9422	BTCF, BTCN, BTDF, BTEF, BTEN	TC11	TC21
8538	SBA, SCA, SBG, SCG (Series K)	TC11	TC21	9422	TCF, TCN, TDF, TDN, TEF, TEN	TC10	TC11
8738	SBA, SCA, SBG, SCG (Series K)	TC10	TC20	9422	TF	R8	R9
8538	SB[19], SC[19], SD[19] (Series B)	R6	R7	Circuit Breaker Operating Mechanisms			
8538	SBAS8, SCAS8, SBGS8, SCGS8, (Series K)	TC10	TC20	9421	LF, LK, LL, LM, LN, LP, LR, LT, LW	R47	R48
8538, 8738	SD (Series C)	R43	R44	9422	RM, RN, RP, RQ, RR, RT	R26	R27
8538	SDA, SDA[19], SDG, SDG[19] (Series K)	TC10	TC20	9422	CFA, CKA, CLA, CSF, CMP	R26	R27
8738	SDA, SDG (Series K)	TC10	TC20				
8538, 8738	SE (Series B and C)	R41	R42				
8538, 8738	SF (Series A)	R8	R9				
8538, 8738	SF (Series B and C)	R39	R40				
8538, 8738	SG	R35	R36				

Table 16.390: How to Order

To Order Specify:	Catalog Number	
• Class Number	Class	Type
• Type Number	9999	R6

[15] When using with a 9422FTCN or FTCTF disconnect switch in Class 8538 or 8738 combination starters, remove and discard the metal base plate.

[16] No Class number required. Discount schedule DE1.

[17] Cannot be used in Series B or newer 8538 devices.

[18] Fuse clips are not provided in the Type SR4 and SR5 kits. On new installations, Class 9999 Type S fuse clips must also be purchased. Three non-removable pins are included and can be installed only in the latest production devices, which have a hole in the lower fuse clips.

[19] Class 8538 Type numbers ending in suffix S8.