

Selection Information



Class	2510, 2511, 2512	T02, T36	8502 & 8702	8536 & 8736	8538 & 8738
		NEMA Style, Full Voltage Non-Reversing and Full Voltage Reversing			
Type of Product	Manual Starters and Switches, Non-Reversing, Reversing and Two Speed	TeSys™ N Contactors and Starters	AC Magnetic Contactors	AC Magnetic Starters	Combination Magnetic Starters with Disconnect Switch
Page	page 16-4	page 16-14	8502: page 16-30 8702: page 16-61	8536: page 16-35 8736: page 16-63	8538: page 16-48 8738: page 16-68
NEMA Sizes	M-0 M-1 M-1P	00–7	00–7	00–7	8538: 0–6 8738: 0–5
Load Voltage	Type F: 277 Vac Types K & M: 600 Vac	600 Vac Max.	600 Vac Max.	600 Vac Max.	600 Vac Max.
Current Ratings (Continuous)	Type F: 16 A Types K & M: 30 A	9–810 A	9–810 A	9–810 A	8538: 18–540 A 8738: 18–270 A
Horsepower Ratings (Maximum)	Type F: 1 Type K: 20 Type M: 10	600	0.5–600	0.5–600	8538: 0.5–400 8738: 0.5–200
Overload Relay	Type F: Melting Alloy Type K: N/A Type M: Melting Alloy	Contactors: N/A Starters: Bimetallic (Size 00-2) or Solid-State	N/A	Melting Alloy Bimetallic (Size 00–2) Solid State	Melting Alloy Bimetallic (Size 0–2) Solid State
Enclosure Types	1, Flush Mount, 3R, 4, 4X, 7 & 9 and Open	Open	1, 3R, 4, 4X, 12/3R, 7 & 9 and Open	1, 3R, 4, 4X, 12/3R, 7 & 9 and Open	1, 4, 4X, 12/3R
Approvals	UL File E42243 NLRV UR File E42243 NLRV2 CSA File LR 25490	Contactors: UL File E164862 NLDX CSA LR43364 Class 3211-24 Starters: UL File E152395 NKJH CSA LR60905 Class 3211-24	UL File E78351 NLDX CSA 60905 Class 3211-04	UL File E78351 NLDX CSA 60905 Class 3211-04	UL File E152395 NKJH7 CSA LR584 Class 3211 04

Interpreting the Catalog Number

Table 16.33: TeSys N Catalog Numbering System

	T	02	C	N	1	3	G7	
Product Family T: TeSys N								Voltage Code B7: 24 Vac, 50/60 Hz G7: 120 Vac, 50/60 Hz
Device Type 02: Contactor, page 16-14 36: Starter, page 16-16								
NEMA Size A: Size 00 B: Size 0 C: Size 1 D: Size 2 E: Size 3 F: Size 4 G: Size 5 H: Size 6 ^[1] J: Size 7 ^[1]								Numerals Used to define specific, physical arrangements such as number of poles for devices type T02 or protection type for devices type T36. Consult the Digest listings for specific device numbers.
								Direction 1: Non-reversing 2: Reversing
								Enclosure Type N: No enclosure

[1] Not available for reversing devices.

New!

TeSys N Non-Reversing Contactors

TeSys N contactors are used to switch heating loads, capacitors, transformers and electric motors where overload protection is provided separately. TeSys N contactors are available in NEMA Sizes 00–7. Target market segments include hospitals; retail; food and beverage; marine; oil and gas; and mining, metals, and minerals.

Table 16.34: TeSys N Non-Reversing Contactors, 3-Pole Polyphase, 600 Vac Max.
 (replace ●● with the coil voltage code)

NEMA Size	Continuous Current Rating (A)	Motor Voltage	Max HP	Open
				Catalog No. [2]
00	9	200	1.5	T02AN13●●
		230	1.5	
		460	2	
		575	2	
0	18	200	3	T02BN13●●
		230	3	
		460	5	
		575	5	
1	27	200	7.5	T02CN13●●
		230	7.5	
		460	10	
		575	10	
2	45	200	10	T02DN13●●
		230	15	
		460	25	
		575	25	
3	90	200	25	T02EN13●●[3]
		230	30	
		460	50	
		575	50	
4	135	200	40	T02FN13●●[3]
		230	50	
		460	100	
		575	100	
5	270	200	75	T02GN13●●[3]
		230	100	
		460	200	
		575	200	
6	540	200	150	T02HN13●●[3]
		230	200	
		460	400	
		575	400	
7	810	200	—	T02JN13●●[3]
		230	300	
		460	600	
		575	600	

Table 16.35: TeSys N Non-Reversing Contactors, 3-Pole Single Phase, 600 Vac Max.

(replace ●● with the coil voltage code)

NEMA Size	Continuous Current Rating (A)	Motor Voltage	Max HP	Open
				Catalog Number
00	9	115	1/3	T02AN13●●
		230	1	
0	18	115	1	T02BN13●●
		230	2	
1	27	115	2	T02CN13●●
		230	3	
2	45	115	3	T02DN13●●
		230	7.5	

Table 16.36: TeSys N Coil Voltage Codes

Voltage	Voltage Code by NEMA Size								
	Size 00	Size 0	Size 1	Size 2	Size 3	Size 4	Size 5	Size 6	Size 7
24 Vac	B7	B7	B7	B7	B6	B6		n/a	
120 Vac	G7	G7	G7	G7	G7	G7	G7	F7	F7

Dimensions: [page 16-23](#) to [page 16-27](#)Accessories: [page 16-18](#) to [page 16-21](#)Replacement Parts: [page 16-22](#)Lugs: [page 16-21](#)

TeSys N non-reversing contactor, Size 1



TeSys N non-reversing contactor, Size 3

[2] Replace the bullets (●●) in the catalog number with the coil voltage code. Refer to voltage codes shown in [Table 16.36](#).
 [3] Order lugs separately. See [Table 16.59](#). The mounting hardware (screws, washers, and nuts) comes with the contactors, not the lugs. Starters Sizes 3–7 come with lugs.

New!

TeSys N Reversing Contactors

TeSys N reversing contactors are used for starting, stopping and reversing AC motors where overload protection is provided separately. TeSys N reversing contactors are mechanically and electrically interlocked and are available in NEMA Sizes 00–7. Target market segments include hospitals; retail; food and beverage; marine; oil and gas; and mining, metals, and minerals.



TeSys N reversing contactor, Size 00



TeSys N reversing contactor, Size 4

Table 16.37: TeSys N Reversing Contactors, 3-Pole Polyphase, 600 Vac Max.
(replace ●● with the coil voltage code)

NEMA Size	Continuous Current Rating (A)	Motor Voltage	Max HP	Open
				Catalog No. [4]
00	9	200	1.5	T02AN23●●
		230	1.5	
		460	2	
		575	2	
0	18	200	3	T02BN23●●
		230	3	
		460	5	
		575	5	
1	27	200	7.5	T02CN23●●
		230	7.5	
		460	10	
		575	10	
2	45	200	10	T02DN23●●
		230	15	
		460	25	
		575	25	
3	90	200	25	T02EN23●●[5]
		230	30	
		460	50	
		575	50	
4	135	200	40	T02FN23●●[5]
		230	50	
		460	100	
		575	100	
5	270	200	75	T02GN23●●[5]
		230	100	
		460	200	
		575	200	
6	540	200	150	T02HN23●●[5]
		230	200	
		460	400	
		575	400	
7	810	200	—	T02JN23●●[5]
		230	300	
		460	600	
		575	600	

Table 16.38: TeSys N Reversing Contactors, 3-Pole Single Phase, 600 Vac Max.
(replace ●● with the coil voltage code)

NEMA Size	Continuous Current Rating (A)	Motor Voltage	Max HP	Open
				Catalog No. [4]
00	9	115	1/3	T02AN23●●
		230	1	
0	18	115	1	T02BN23●●
		230	2	
1	27	115	2	T02CN23●●
		230	3	
2	45	115	3	T02DN23●●
		230	7.5	

Table 16.39: TeSys N Coil Voltage Codes

Voltage	Voltage Code by NEMA Size							
	Size 00	Size 0	Size 1	Size 2	Size 3	Size 4	Size 5	Size 6
120 Vac	G7	G7	G7	G7	G7	G7	G7	F7

Dimensions: [page 16-23](#) to [page 16-27](#)

Accessories: [page 16-18](#) to [page 16-21](#)

Replacement Parts: [page 16-22](#)

Lugs: [page 16-21](#)

[4] Replace the bullets (●●) in the catalog number with the coil voltage code. Refer to the voltage codes shown in [Table 16.39](#).

[5] Order lugs separately. See [Table 16.59](#). The mounting hardware (screws, washers, and nuts) comes with the contactors, not the lugs. Starters Sizes 3–7 come with lugs.