

New!

TeSys N Non-Reversing Starters

TeSys N starters are used for full-voltage starting and stopping of AC squirrel-cage motors. Starters are available in NEMA Sizes 00–7 and come standard with Motor Logic Class 10/20 selectable solid-state overload relays. Starters with bimetal overload protection can be assembled from TeSys N contactors and TeSys D overload relays.



For more information on TeSys D relays, see Section 18.

Dimensions: page 16-22
TeSys N Accessories: pages 16-18

Table 16.43: 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. [6]
00	9	200	1.5	T36AN13●●
		230	1.5	
		460	2	
		575	2	
0	18	200	3	T36BN13●●
		230	3	
		460	5	
		575	5	
1 [7]	27	200	7.5	T36CN13●●
		230	7.5	
		460	10	
		575	10	
2	45	200	10	T36DN13●●
		230	15	
		460	25	
		575	25	
3	90	200	25	T36EN13●●
		230	30	
		460	50	
		575	50	
4	135	200	40	T36FN13●●
		230	50	
		460	100	
		575	100	
5	270	200	75	T36GN13●●
		230	100	
		460	200	
		575	200	
6	540	200	150	T36HN13●●
		230	200	
		460	400	
		575	400	
7	810	200	—	T36JN13●●
		230	300	
		460	600	
		575	600	

Table 16.44: 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	Size 8
24 Vac [8]	B7	B7	B7	B7	B6	B6	—	—	—	—
24 Vdc [9]	BD	BD	BD	BD	BD	BD	—	—	—	—
120 Vac [8]	G7	G7	G7	G7	G6	G6	G7	F7	F7	F7
208 Vac	LE7	LE7	LE7	LE7	L6	L6	L7	L7	L7	L7
240 Vac	U7	U7	U7	U7	U6	U6	U7	U7	U7	U7
480 Vac	T7	T7	T7	T7	Q5	Q5	S7	N7	N7	N7

Table 16.45: TeSys LR9D Electronic Overload Relays

Current Setting Range (A)	For Direct Mounting to TeSys N Contactors	Class 5/10/20/30 Selectable
0.1–0.5	Size 00–1	LR9D01
0.4–2.0		LR9D02
1.6–8.0		LR9D08
6.4–32		LR9D32

Table 16.46: TeSys D Overload Relays—Ambient Compensated, Bimetallic, Direct Mounting

Current Setting Range (A)	For Direct Mounting to TeSys N Contactors	Class 10 with Single-Phase Sensitivity	Class 10 without Single-Phase Sensitivity	Class 20 with Single-Phase Sensitivity	Class 20 without Single-Phase Sensitivity
0.10–0.16	Size 00–1	LRD01	LR3D01	—	—
0.16–0.25	Size 00–1	LRD02	LR3D02	—	—
0.25–0.40	Size 00–1	LRD03	LR3D03	—	—
0.40–0.63	Size 00–1	LRD04	LR3D04	LRD04L	LR3D04L
0.63–1	Size 00–1	LRD05	LR3D05	LRD05L	LR3D05L
1–1.6	Size 00–1	LRD06	LR3D06	LRD06L	LR3D06L
1.6–2.5	Size 00–1	LRD07	LR3D07	LRD07L	LR3D07L
2.5–4	Size 00–1	LRD08	LR3D08	LRD08L	LR3D08L
4–6	Size 00–1	LRD10	LR3D10	LRD10L	LR3D10L
5.5–8	Size 00–1	LRD12	LR3D12	LRD12L	LR3D12L
7–10	Size 00–1	LRD14	LR3D14	LRD14L	LR3D14L
9–13	Size 0–1	LRD16	LR3D16	LRD16L	LR3D16L
12–18	Size 0–1	LRD21	LR3D21	LRD21L	LR3D21L
16–24	Size 0–1	LRD22	LR3D22	—	—
17–24	Size 0–1	—	—	LRD22L	LR3D22L
23–32	Size 1	LRD32	LR3D32	LRD32L	LR3D32L
9–13	Size 2	LRD313	LR3D313	LRD313L	—
12–18	Size 2	LRD318	LR3D318	LRD318L	—
16–25	Size 2	LRD325	LR3D325	LRD325L	—
23–32	Size 2	LRD332	LR3D332	LRD332L	—
30–40	Size 2	LRD340	LR3D340	LRD340L	—
37–50	Size 2	LRD350	LR3D350	LRD350L	—

[6] Replace the bullets (●●) in the catalog number with the coil voltage code. Refer to the coil voltage codes shown in Table 16.44.

[7] Special size combinations of the contactor and Motor Logic overload relay are available. Add 0 to the catalog number before the coil voltage for a Size 0 overload relay (6–18 A); 9 for a Size 00C (3–9 A); and 8 for a Size 00B (1.5–4.5 A)—for example, T36CN130G7.

[8] The 24 and 120 Vac coils are available with optional separate control; add Form S to the catalog number (for example, T36AN13B7S).

[9] The 24 Vdc coil requires separate control; add Form S to the catalog number (for example, T36AN13BDS).