

# TeSys N Contactors and Starters

## Combining NEMA Robustness and IEC Compactness

TeSys N is based on the world's best-selling line of contactors and starters, TeSys D and TeSys F. TeSys N offers high reliability with long mechanical and electrical life, and the most complete line of accessories in the industry. Also for the first time, Schneider Electric is offering a DC control voltage (24 Vdc) in NEMA contactors or starters.

TeSys N contactors and starters conform to NEMA ICS2 standards, and the NEMA size is printed directly on the face of the contactor.



### Flexibility

- High density thanks to compact, space-saving design
- Contactors Size 00 – 2 are DIN rail and panel mountable
- Common accessories across TeSys range to maximize convenience and reduce inventory
- Replaceable coils require no tools for easy installation

### Safety Standards

- UL Listed, CSA Certified, and CE marked
- Contactors Size 00 – 2 offer IP 2X finger-safe terminals
- Reversing contactors and starters electrically and mechanically interlocked

### Simplicity

- Class 10/20 selectable Motor Logic solid state overload relays on all pre assembled starters
- Starters pre-mounted on a baseplate with busbar interconnection for quick, simple installation
- Contactors Size 00 – 2 accept TeSys bimetallic overload relays
- Contactors Size 00-2 accept LR9D solid state overload relays
- Contactors Size 3-7 accept LR9F solid state overload relays
- Snap-on front and side-mount accessories for easy installation

### Robustness

- High fault short circuit ratings up to 65kA with circuit breakers and up to 100kA with fuses
- Arc splitters on Size 3 and larger for longer contact life
- Replaceable contacts on Size 3 and larger contactors reduce overall costs



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## Contactors Size 00 - 2

Contactors Size 00 - 2 are a compact design that is DIN rail and panel mountable. Size 00 - 1 are 45 mm wide and Size 2 is 55 mm wide. All offer tool-less coil replacement and come standard with 1 N.O. and 1 N.C. auxiliary contact.

## Contactors Size 3 - 7

Contactors Size 3 - 7 feature arc splitters that increase contact life. Replaceable coils slide in to the base of the contactor and come standard with 1 N.O. coil interlock contact. Contacts can be easily replaced by removing the contactor cover.

## Build your own starters



TeSys N starters can be assembled with electronic or bimetallic overload relays. For electronic overload relays, use TeSys LR9D for Sizes 00-2 and TeSys LR9F for Sizes 3-7. For bimetallic overload relays, use TeSys LRD for Sizes 00-2.

These starters offer a compact, space-saving design that can be DIN rail or panel mounted.

Direct mounting between the contactor and overload relay saves installation time and requires no wiring.

## 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    |        |        |
| 24 Vdc  | BD                        | BD     | BD     | BD     | BD     | BD     | n/a    |        |        |
| 120 Vac | G7                        | G7     | G7     | G7     | G6     | G6     | G7     | F7     | F7     |
| 208 Vac | LE7                       | LE7    | LE7    | LE7    | L6     | L6     | L7     | L7     | L7     |
| 240 Vac | U7                        | U7     | U7     | U7     | U6     | U6     | U7     | U7     | U7     |
| 480 Vac | T7                        | T7     | T7     | T7     | Q5     | Q5     | S7     | N7     | N7     |



### See the TeSys N 3D Interactive Model

Scan this QR code with your smartphone to download the iTunes app and explore the TeSys N 3D Interactive model.

## TeSys N Contactors and Starters, 3-Pole Polyphase, 600 Vac Max.

| NEMA Size | Continuous Current Rating (A) | Motor Voltage | Max HP | Catalog #           |                                  |  |
|-----------|-------------------------------|---------------|--------|---------------------|----------------------------------|--|
|           |                               |               |        | TeSys N Contactors* | TeSys LR9 Overload Relays        | Pre-assembled Starters with Motor Logic* |
| 00        | 9                             | 200           | 1 ½    | T02AN13             | LR9D01, LR9D02, LR9D08, LR9D32   | T36AN13                                  |
|           |                               | 230           | 1 ½    |                     |                                  |  |
|           |                               | 160           | 2      |                     |                                  |  |
|           |                               | 575           | 2      |                     |                                  |  |
| 0         | 18                            | 200           | 3      | T02BN13             | LR9D32                           | T36BN13                                  |
|           |                               | 230           | 3      |                     |                                  |  |
|           |                               | 460           | 5      |                     |                                  |  |
|           |                               | 575           | 5      |                     |                                  |  |
| 1         | 27                            | 200           | 7 ½    | T02CN13             | LR9D32                           | T36CN13                                  |
|           |                               | 230           | 7 ½    |                     |                                  |  |
|           |                               | 460           | 10     |                     |                                  |  |
|           |                               | 575           | 10     |                     |                                  |  |
| 2         | 45                            | 200           | 10     | T02DN13             | LR9D110S                         | T36DN13                                  |
|           |                               | 230           | 15     |                     |                                  |  |
|           |                               | 460           | 25     |                     |                                  |  |
|           |                               | 575           | 25     |                     |                                  |  |
| 3         | 90                            | 200           | 25     | T02EN13             | LR9D110S, LR9F53, LR9F63, LR9F67 | T36EN13                                  |
|           |                               | 230           | 30     |                     |                                  |  |
|           |                               | 460           | 50     |                     |                                  |  |
|           |                               | 575           | 50     |                     |                                  |  |
| 4         | 135                           | 200           | 40     | T02FN13             | LR9F69                           | T36FN13                                  |
|           |                               | 230           | 50     |                     |                                  |  |
|           |                               | 460           | 100    |                     |                                  |  |
|           |                               | 575           | 100    |                     |                                  |  |
| 5         | 270                           | 200           | 75     | T02GN13             | LR9F71, LR9F75                   | T36GN13                                  |
|           |                               | 230           | 100    |                     |                                  |  |
|           |                               | 460           | 200    |                     |                                  |  |
|           |                               | 575           | 200    |                     |                                  |  |
| 6         | 570                           | 200           | 150    | T02HN13             | LR9F75, LR9F79, LR9F81           | T36HN13                                  |
|           |                               | 230           | 200    |                     |                                  |  |
|           |                               | 460           | 400    |                     |                                  |  |
|           |                               | 575           | 400    |                     |                                  |  |
| 7         | 810                           | 200           | -      | T02JN13             | LR9F981                          | T36JN13                                  |
|           |                               | 230           | 300    |                     |                                  |  |
|           |                               | 460           | 600    |                     |                                  |  |
|           |                               | 575           | 600    |                     |                                  |  |

\*Coil voltage must be specified to order this product. For example, T02AN13BD. To order reversing contactors and starters, replace the "1" with a "2" in the catalog number. For example, T02AN13BD becomes T02AN23BD.

➤ For more information, visit [www.schneider-electric.ca](http://www.schneider-electric.ca)

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