

Furnas NEMA Contactors & Starters

Application:

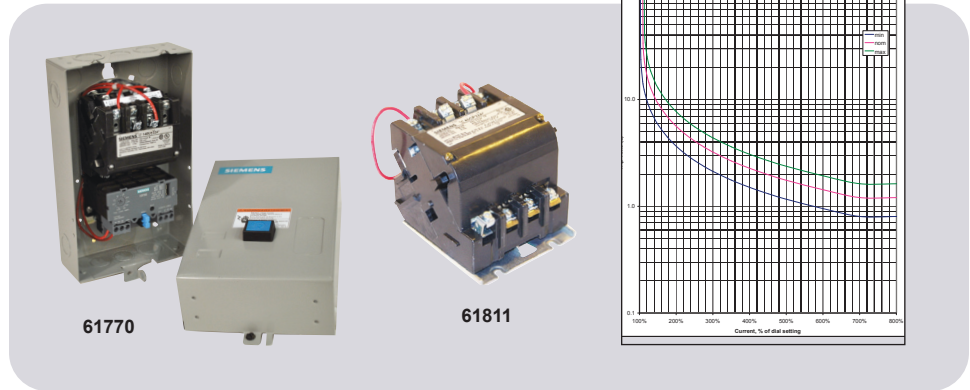
NEMA heavy duty contactors and starters are designed for across the line starting of 3 phase motors. Typical applications include cooling towers, refrigeration equipment, and commercial HVAC. NEMA contactors provide the switching (on/off) function. NEMA starters consist of a NEMA contactor with the addition of motor protection via a solid state overload relay which includes phase loss protection.

Standard NEMA Contactor Features:

- Rugged industrial design epoxy encapsulated coil seals out moisture, promotes heat transfer, and resists electrical, mechanical, and thermal stresses. The 45 degree wedge action contacts reduce tracking and provide faster arc quenching. The resulting self-cleaning and reduced contact bounce mean cooler operation and longer life for the large silver cadmium oxide contacts
- Dual Voltage Coils
120/240 VAC is standard
24 VAC and 240/480 VAC are available as accessories
- Easy coil access. Top mounted coil requires no tools to change

Standard NEMA Starter Features:

- NEMA Contactor
- True phase loss protection
Trips within 3 seconds and is self protected from short circuits
- High accuracy +/- 2% repeat trip accuracy
- Self powered requires no hard wiring or separate power source
- Heaterless construction minimizes energy costs. Does not require the use of complicated heater charts. Simply set the dial on the overload relay to the motor F.L.A.
- Overload trip class 20



NEMA Starters

MARS NO.	SEIMENS NO.	NEMA SIZE	AMP RATING	200V	HORSEPOWER 230V	460V	OVERLOAD RANGE	COIL VOLTAGE	ENCL.
61770	14CUC32BA	0	18	2	2	5	2.5-10A	120/240	NEMA 1
61771	14CUD32BA	0	18	3	3	-	9-18A	120/240	NEMA 1
61772	14DUC32BA	1	27	2	2	5	2.5-10A	120/240	NEMA 1
61774	14DUD32BA	1	27	3	3	10	9-18A	120/240	NEMA 1
61776	14DUE32BA	1	27	7-1/2	7-1/2	-	13-27A	120/240	NEMA 1
61777	14ESG32BA	1-3/4	27	10	10	15	10-40A	120/240	NEMA 1
61779	14FUF32AA	2	45	-	-	15	13-52 A	120/240	Not Included
61780	14FUF32BA	2	45	10	15	25	22-45A	120/240	NEMA 1
61782	14HUG32BA	3	90	25	30	50	45-90A	120/240	NEMA 1
61783	14HUG32AA	3	90	25	30	50	45-90A	120/240	Not Included

NEMA Contactors

MARS NO.	SEIMENS NO.	NEMA SIZE	AMP RATING	200V	HORSEPOWER 230V	460V	COIL VOLTAGE	ENCL.
61811	40DP32AA	1	27	7-1/2	7-1/2	10	120/240	Not Included
61813	40FP32AA	2	45	10	15	25	120/240	Not Included

Parts & Accessories for Starters & Contactors

MARS NO.	SEIMENS NO.	DESCRIPTION	NEMA SIZE
61652	75D73070J	Coil 24VAC	0-2.5
61650	75D73070A	Coil 120/240V	0-2.5
61653	75D73070C	Coil 240/480V	0-2.5
61654	75D73070D	Coil 208V	0-2.5
61648	75D73251A	Replacement Coil 120/240V	3-3.5
61656	75CF14	Replacement Contact Kits*	0
61657	75DF14	Replacement Contact Kits*	1
61658	75FP14	Replacement Contact Kits*	2
61659	49AB10	N.O. Auxiliary Contact	0-3
61660	49AB01	N.C. Auxiliary Contact	0-3

* Replacement contacts are sold in kits that will re-build 1 power pole. For example: Use (3) 75CF14 contact kits to re-build a 3 pole device.