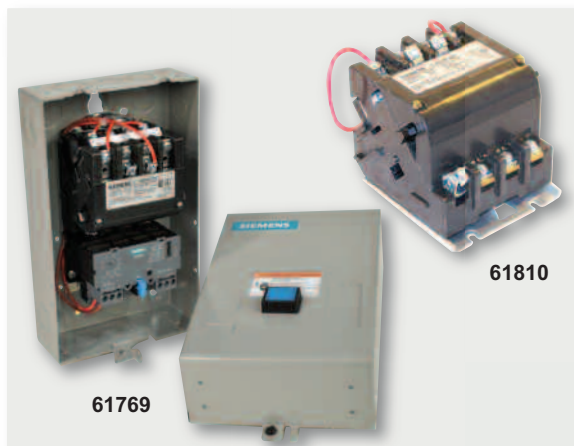




# Furnas NEMA Contactors & Starters

MARS SERIES **617**

COMPONENT



## Application:

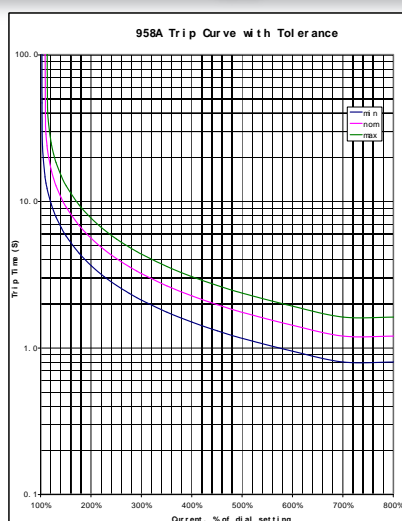
NEMA heavy duty contactors and starters are designed for across the line starting of 3 phase motors. Typical applications include cooling towers, refrigeration equipment, and commercial HVAC. NEMA contactors provide the switching (on/off) function. NEMA starters consist of a NEMA contactor with the addition 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.	SIEMENS NO.	NEMA SIZE	AMP RATING	HORSEPOWER			OVERLOAD RANGE	COIL VOLTAGE	ENCLOSURE
				200V	230V	460V			
61769	14BUB32BA	0	9	1/2	3/4	1-1/2	.75-3A	120/240	NEMA 1
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
61773	14DUD32AA	1	27	3	3	10	9-18A	120/240	Not Included
61774	14DUD32BA	1	27	3	3	10	9-18A	120/240	NEMA 1
61775	14DUE32AA	1	27	7-1/2	7-1/2	-	13-27A	120/240	Not Included
61776	14DUE32BA	1	27	7-1/2	7-1/2	-	13-27A	120/240	NEMA 1
61779	14FUF32AA	2	45	-	-	15	13-52A	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.	SIEMENS NO.	NEMA SIZE	AMP RATING	HORSEPOWER			COIL VOLTAGE	ENCLOSURE
				200V	230V	460V		
61810	40CP32AA	0	18	3	3	5	120/240	Not Included
61811	40DP32AA	1	27	7-1/2	7-1/2	10	120/240	Not Included
61812	40EP32AA	1-3/4	40	10	10	15	120/240	Not Included
61813	40FP32AA	2	45	10	15	25	120/240	Not Included
61815	40HP32AA	3	90	25	30	50	120/240	Not Included