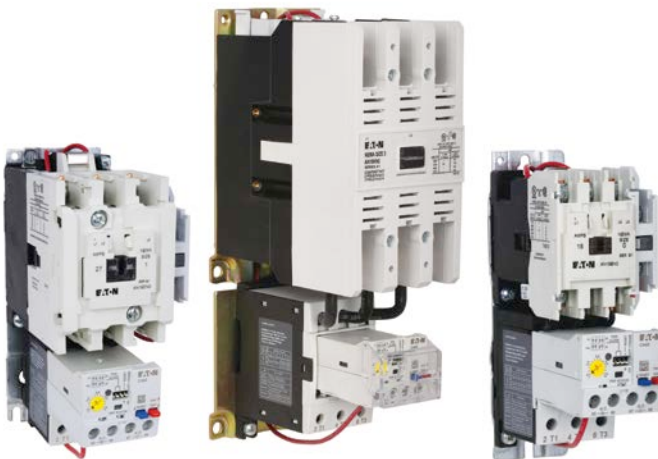


## AN19 NEMA starter NEMA starters with electronic overloads



# NEMA starter solutions



Eaton's Freedom NEMA® AN19 starter series combines exceptional Freedom contactor ratings with the C440 electronic overload's superior motor protection features. AN19 starters can be monitored in real-time over communications, allowing for reduced troubleshooting efforts and downtime.

### Features

- Industry-leading performance life ratings
- Remote/electronic reset capability
- Heater packs not required
- Full line of snap-on accessories
- Horizontal or vertical mounting

### Benefits

- Reduce inventory costs
- Ease of use
- Compact design
- Real-time accuracy
- Open and enclosed offerings

### Product range

- NEMA size 00–8
- NEMA size 1 and 4 compact
- 0.3–1500 A FLA range

### Standards and certifications



### Reliable, accurate, intelligent motor protection

- 5:1 FLA range for maximum flexibility
- Selectable trip class (10A, 10, 20, 30)
- FLA selection dial
- Trip status indicator
- Selectable Auto/Manual reset
- Selectable ground fault and phase imbalance
- Remote monitoring and control capabilities over Modbus RTU, PROFIBUS®, EtherNet/IP, DeviceNet™ and Modbus TCP

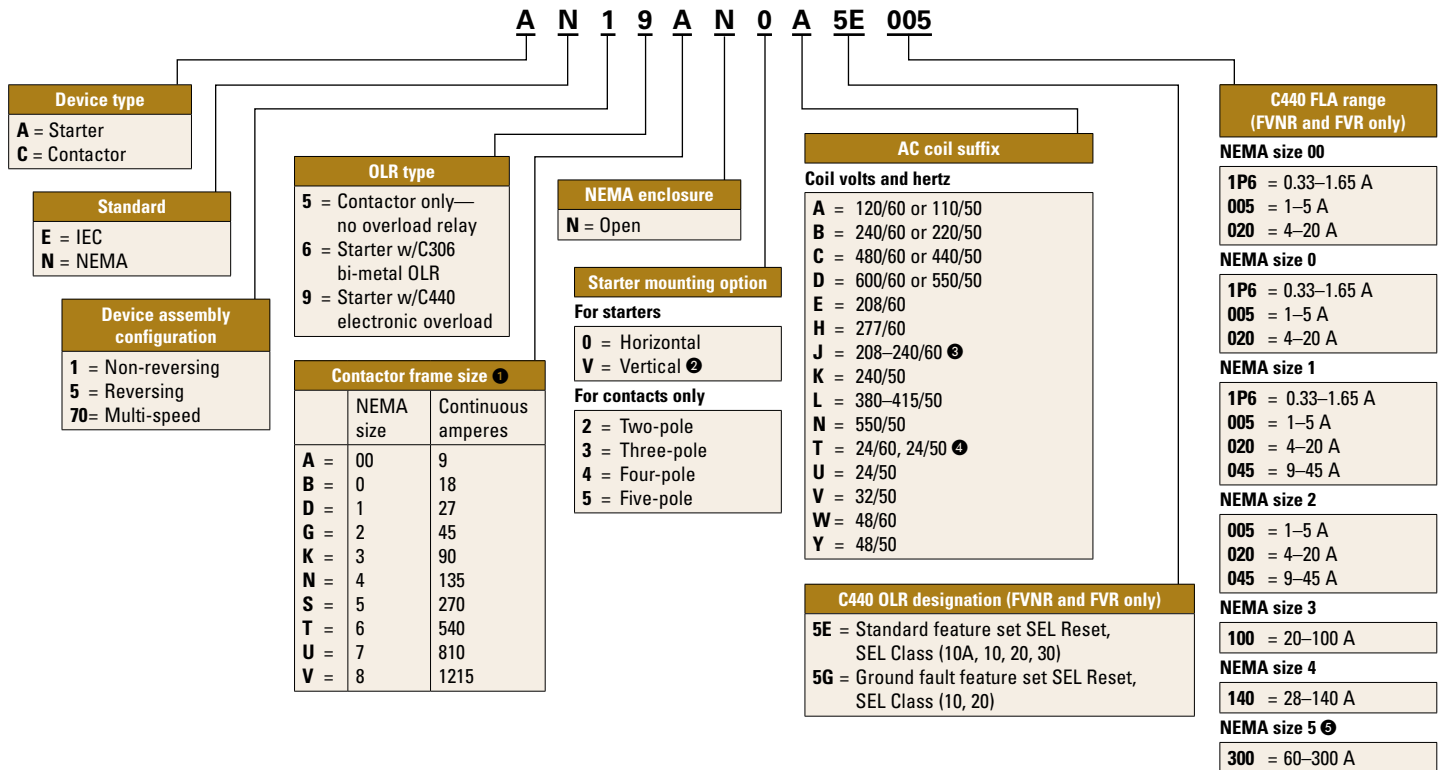
### Typical applications

- Compressors
- Blowers and fans
- Conveyors

# EATON

Powering Business Worldwide

## Freedom series catalog numbering selection



- ① For contactor only orders, add B to end of catalog number if NEMA size 00–2, 6.
- ② Only available on AN56 reversing starters.
- ③ NEMA sizes 00 and 0 only.

- ④ NEMA sizes 00 and 0 only. Sizes 1–8 are 24/60 only.
- ⑤ NEMA size 5 requires the use of CTs with 1–5 A OL relay.

## Product selection

### Type AN19/59 Freedom series starters—non-reversing and reversing

NEMA size	Continuous ampere rating	Service limit current ampere rating	Maximum UL horsepower						Three-pole non-reversing ①② catalog number	Three-pole reversing ①② catalog number
			Single-phase		Three-phase					
			115 V	230 V	208 V	240 V	480 V	600 V		
<b>With C440 electronic overload relays</b>										
00	9	11	1/3	1	1-1/2	1-1/2	2	2	AN19AN0_5E_	AN59AN0_5E_
0	18	21	1	2	3	3	5	5	AN19BN0_5E_	AN59BN0_5E_
1	27	32	2	3	7-1/2	7-1/2	10	10	AN19DN0_5E_	AN59DN0_5E_
2	45	52	3	7-1/2	10	15	25	25	AN19GN0_5E_	AN59GN0_5E_
3	90	104	—	—	25	30	50	50	AN19KN0_5E_	AN59KN0_5E_
4	135	156	—	—	40	50	100	100	AN19NN0_5E_	AN59NN0_5E_
5 ③	270	311	—	—	75	100	200	200	AN19SN0_5E_	AN59SN0_5E_
<b>With C440 electronic overload relays including ground fault</b>										
00	9	11	1/3	1	1-1/2	1-1/2	2	2	AN19AN0_5G_	AN59AN0_5G_
0	18	21	1	2	3	3	5	5	AN19BN0_5G_	AN59BN0_5G_
1	27	32	2	3	7-1/2	7-1/2	10	10	AN19DN0_5G_	AN59DN0_5G_
2	45	52	3	7-1/2	10	15	25	25	AN19GN0_5G_	AN59GN0_5G_
3	90	104	—	—	25	30	50	50	AN19KN0_5G_	AN59KN0_5G_
4	135	156	—	—	40	50	100	100	AN19NN0_5G_	AN59NN0_5G_
5 ③	270	311	—	—	75	100	200	200	AN19SN0_5G_	AN59SN0_5G_

- ① Underscore (\_) indicates coils suffix required.
- ② Underscore (\_) indicates OLR designation required.

- ③ NEMA size 5 starter available with 60–300 A panel-mounted CTs. Starter shipped as an assembled unit with 1–5 A C440 overload relay (C440A1A005SELAX or C440A2A005SELAX).

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