

15–45A, Single- and Three-Phase—A27, B27



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15–45A, Single- and Three-Phase—A27, B27

Product Description

A27 and B27 Definite Purpose Starters from Eaton’s Electrical Sector combine the features and flexibility of the C25 Definite Purpose Contactors and **XT** Series Bi-metallic Ambient Compensated Overload Relays.

Features and Benefits

- Selectable manual or automatic reset operation
- Class 10 trip class
- Bimetallic, ambient compensated operated. Trip free mechanism
- Electrically isolated NO-NC contacts (pull TEST button to test)
- Shrouded or fingerproof terminals to reduce possibility of electrical shock
- Single-phase sensitivity

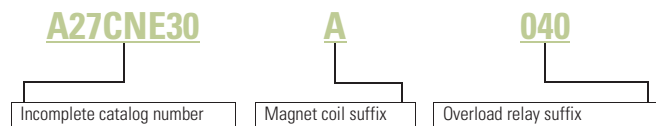
Standards and Certifications

- UL Recognized Components UL File #E-1491, Guide NLDX2
- CSA Certified Components File #LR353, Guide 3 80W-1.14 Class 3211 04
- IEC/EN 60947
- VDE 0660
- UL
- CSA
- CE



Catalog Number Selection

15–45A, Single- and Three-Phase—A27, B27



When Ordering Specify

- Catalog number plus magnet coil suffix plus overload relay suffix, see **Page V5-T4-32**
Example, order catalog number **A27CNE30A040**

Product Selection

A27 Starter



Three-Phase Starter—Open Type

Ampere Rating					Common Control		Separate Control	
Inductive Full Load	Line Voltage	Locked Rotor	Maximum Motor (hp)	Maximum Motor (kW)	Metal Mounting Plate Catalog Number ^①	DIN Rail Adapter Catalog Number ^①	Metal Mounting Plate Catalog Number ^①	DIN Rail Adapter Catalog Number ^①
15	115	90	—	—	A27CNC15_	A27CRC15_	A27SNC15_	A27SRC15_
	230	90	3	2.2	A27CNC15_	A27CRC15_	A27SNC15_	A27SRC15_
	460	75	5	3.7	A27CNC15_	A27CRC15_	A27SNC15_	A27SRC15_
	575	60	5	3.7	A27CNC15_	A27CRC15_	A27SNC15_	A27SRC15_
25	115	150	—	—	A27CNC25_	A27CRC25_	A27SNC25_	A27SRC25_
	230	150	7-1/2	5.5	A27CNC25_	A27CRC25_	A27SNC25_	A27SRC25_
	460	125	10	7.5	A27CNC25_	A27CRC25_	A27SNC25_	A27SRC25_
	575	100	10	7.5	A27CNC25_	A27CRC25_	A27SNC25_	A27SRC25_
30	115	180	—	—	A27CNE30_	A27CRE30_	A27SNE30_	A27SRE30_
	230	180	10	7.5	A27CNE30_	A27CRE30_	A27SNE30_	A27SRE30_
	460	150	15	11	A27CNE30_	A27CRE30_	A27SNE30_	A27SRE30_
	575	120	15	11	A27CNE30_	A27CRE30_	A27SNE30_	A27SRE30_
40	115	240	—	—	A27CNE40_	A27CRE40_	A27SNE40_	A27SRE40_
	230	240	10	7.5	A27CNE40_	A27CRE40_	A27SNE40_	A27SRE40_
	460	200	20	15	A27CNE40_	A27CRE40_	A27SNE40_	A27SRE40_
	575	160	20	15	A27CNE40_	A27CRE40_	A27SNE40_	A27SRE40_
45	115	270	—	—	A27CNE45_	A27CRE45_	A27SNE45_	A27SRE45_
	230	270	15	11	A27CNE45_	A27CRE45_	A27SNE45_	A27SRE45_
	460	225	30	22	A27CNE45_	A27CRE45_	A27SNE45_	A27SRE45_
	575	180	30	22	A27CNE45_	A27CRE45_	A27SNE45_	A27SRE45_

Note

^① Incomplete catalog number. Replace underscore (_) with magnet coil suffix and overload relay suffix from **Page V5-T4-32**.

Single-Phase Starter—Open Type, B27

Ampere Rating Inductive Full Load	Line Voltage	Locked Rotor	Maximum Motor (hp)	Maximum Motor (kW)	Common Control		Separate Control	
					Metal Mounting Plate	DIN Rail Adapter	Metal Mounting Plate	DIN Rail Adapter
					Catalog Number ①	Catalog Number ①	Catalog Number ①	Catalog Number ①
15	115	90	3/4	0.4	B27CNC15_	B27CRC15_	B27SNC15_	B27SRC15_
	230	90	2	1.5	B27CNC15_	B27CRC15_	B27SNC15_	B27SRC15_
	460	75	—	—	B27CNC15_	B27CRC15_	B27SNC15_	B27SRC15_
	575	60	—	—	B27CNC15_	B27CRC15_	B27SNC15_	B27SRC15_
25	115	150	2	1.5	B27CNC25_	B27CRC25_	B27SNC25_	B27SRC25_
	230	150	3	2.2	B27CNC25_	B27CRC25_	B27SNC25_	B27SRC25_
	460	125	—	—	B27CNC25_	B27CRC25_	B27SNC25_	B27SRC25_
	575	100	—	—	B27CNC25_	B27CRC25_	B27SNC25_	B27SRC25_
30	115	180	2	1.5	B27CNE30_	B27CRE30_	B27SNE30_	B27SRE30_
	230	180	5	3.7	B27CNE30_	B27CRE30_	B27SNE30_	B27SRE30_
	460	150	—	—	B27CNE30_	B27CRE30_	B27SNE30_	B27SRE30_
	575	120	—	—	B27CNE30_	B27CRE30_	B27SNE30_	B27SRE30_
40	115	240	3	2.2	B27CNE40_	B27CRE40_	B27SNE40_	B27SRE40_
	230	240	7-1/2	5.5	B27CNE40_	B27CRE40_	B27SNE40_	B27SRE40_
	460	200	—	—	B27CNE40_	B27CRE40_	B27SNE40_	B27SRE40_
	575	160	—	—	B27CNE40_	B27CRE40_	B27SNE40_	B27SRE40_
45	115	270	3	2.2	B27CNE45_	B27CRE45_	B27SNE45_	B27SRE45_
	230	270	7-1/2	7.5	B27CNE45_	B27CRE45_	B27SNE45_	B27SRE45_
	460	225	—	—	B27CNE45_	B27CRE45_	B27SNE45_	B27SRE45_
	575	180	—	—	B27CNE45_	B27CRE45_	B27SNE45_	B27SRE45_

Magnet Coil Suffix

Voltage 60 Hertz	50 Hertz	Coil Suffix	Voltage 60 Hertz	Coil Suffix
AC ②			DC ④	
12	12	R	12	1R
24	24	T	24	1T
110–120	110–120	A	48	1W
208–240	208–240	B	120	1A
240 ③	220	J		
277	—	H		
—	380–415	L		
440–480	440–480	C		
550–600	550–600	D		

Overload Relay Suffix

Motor Full Load Amperes	Suffix Code	For use with Contactor Ampere Range
Frame C		
0.1–0.16	P16	15–25A
0.16–0.24	P24	15–25A
0.24–0.4	P40	15–25A
0.4–0.6	P60	15–25A
0.6–1	001	15–25A
1–1.6	1P6	15–25A
1.6–2.4	2P4	15–25A
2.4–4	004	15–25A
4–6	006	15–25A
6–10	010	15–25A
10–16	016	15–25A
16–24	024	15–25A
24–32	032	15–25A
Frame D		
6–10	010	30–45A
10–16	016	30–45A
16–24	024	30–45A
24–40	040	30–45A
40–57	057	30–45A

Notes

- ① Incomplete catalog number. Replace underscore (_) with magnet coil suffix and overload relay suffix from tables above.
- ② Class H AC coils available as option. Add **2** before AC coil suffix letter.
- ③ Available through 45A.
- ④ Starters with DC coils include an early breaking auxiliary contact, C320KGD1. See **Page V5-T4-62** for more detail.