

Features and Product Selection

- Full Voltage
- Solid-State Overload Relays
- 600V Maximum
- 100,000 AIC Short Circuit — 600V Maximum

Table 3-51. Class ECA16 — Combination Non-reversing Starter — Fusible Disconnect

NEMA Size	Motor Voltage	Maximum hp Rating Dual Element Fuses	Magnet Coil Voltage ②③	Fuse Clip Amps. ⑦	Type 1 General Purpose	Type 3R Rainproof	Type 4X Watertight & Dust-Tight Stainless Steel ⑥	Type 12 Dust-Tight Industrial ④⑤	Component Starter (Open)
					Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
1-L ①	200 230	1	120	30A	ECA16L1FAB	ECA16L2FAB	ECA16L4FAB	ECA16L8FAB	W200MLCFC
	460 575	2	120	30A	ECA16L1FAC	ECA16L2FAC	ECA16L4FAC	ECA16L8FAC	W200MLCFC
1	200 230	7-1/2	120	30A	ECA1611FAB	ECA1612FAB	ECA1614FAB	ECA1618FAB	W200M1CFC
	460 575	10	120	30A	ECA1611FAC	ECA1612FAC	ECA1614FAC	ECA1618FAC	W200M1CFC
2	200 230	10 15	120	60A	ECA1621FAD	ECA1622FAD	ECA1624FAD	ECA1628FAD	W200M2CFC
	460 575	25	120	60A	ECA1621FAE	ECA1622FAE	ECA1624FAE	ECA1628FAE	W200M2CFC
3	200 230	25 30	120	100A	ECA1631FAF	ECA1632FAF	ECA1634FAF	ECA1638FAF	W200M3CFC
	460 575	50	120	100A	ECA1631FAG	ECA1632FAG	ECA1634FAG	ECA1638FAG	W200M3CFC
4	200 230	40 50	120	200A	ECA1641FAH	ECA1642FAH	ECA1644FAH	ECA1648FAH	W200M4CFC
	460 575	100	120	200A	ECA1641FAJ	ECA1642FAJ	ECA1644FAJ	ECA1648FAJ	W200M4CFC
5	200 230	75 100	120	400A	ECA1651FAK	ECA1652FAK	ECA1654FAK	ECA1658FAK	W200M5CFC
	460 575	200	120	400A	ECA1651FAL	ECA1652FAL	ECA1654FAL	ECA1658FAL	W200M5CFC
6	200 230	150 200	120 ⑧	600A	ECA1661EAM ECA1661BAM	ECA1662EAM ECA1662BAM	ECA1663EAM ECA1663BAM	ECA1668EAM ECA1668BAM	W200M6CFC
	460 575	400		600A	ECA1661CAN ECA1661DAN	ECA1662CAN ECA1662DAN	ECA1663CAN ECA1663DAN	ECA1668CAN ECA1668DAN	W200M6CFC

- ① For motor full load current (FLA) range of .47A – 3.81A with a 1.15 to 1.25 service factor and for motor hp range of 1/4 hp to 2 hp at 460V.
- ② All starters provided with coils for separate control.
- ③ Starters for 50 Hz operation use 110V 50 Hz magnet coil. Change 8th character from **F** to **N**.
- ④ All Type 12 enclosures are standardized with external reset. For internal reset, order Mod Code **R5**.
- ⑤ Type 12 enclosure is without safety door interlock. When safety door interlock is required, change seventh character from **8** to **9**, i.e. ECA1618FAC would become ECA1619FAC.
- ⑥ The Catalog Numbers listed in the Type 4X column are for Type 4X 304-Grade Stainless Steel, as indicated by the seventh digit **4**. Example: ECA16L4FAB. To order Type 4X 316-Grade Stainless Steel, change that digit to **9**. To order Type 4 Painted Steel, change that digit to **3**. To order Nonmetallic, change that digit to **5**. For details on these Alternate Enclosures, see **Tab 14**.
- ⑦ Fuse clips are for Class R fuses only. For H and J fuses see mods, **Page 16-42**.
- ⑧ Size 6 includes control power transformer.



ECA1611FAA

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Features and Product Selection

- Full Voltage
- Solid-State Overload Relays
- 600V Maximum

Table 3-53. Class ECA22 — Combination Non-reversing Starter — Circuit Breaker

NEMA Size	Motor Voltage	Max. hp Rating	Magnet Coil Voltage ⁽²⁾⁽³⁾	Circuit Breaker Type	Type 1 General Purpose	Type 3R Rainproof	Type 4X Watertight & Dust-Tight Stainless Steel ⁽⁴⁾	Type 12 Dust-Tight Industrial ⁽⁵⁾	Component Starter (Open)
					Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
1-L ⁽¹⁾	200	1	120	HMCPE 7A	ECA22L1FAC	ECA22L2FAC	ECA22L4FAC	ECA22L8FAC	W200MLCFC
	230	1		HMCPE 7A	ECA22L1FAC	ECA22L2FAC	ECA22L4FAC	ECA22L8FAC	
	460	1		HMCPE 3A	ECA22L1FAB	ECA22L2FAB	ECA22L4FAB	ECA22L8FAB	
	575	3		HMCPE 7A	ECA22L1FAC	ECA22L2FAC	ECA22L4FAC	ECA22L8FAC	
1	200	1	120	HMCPE 7A	ECA2211FAC	ECA2212FAC	ECA2214FAC	ECA2218FAC	W200M1CFC
		3		HMCPE 15A	ECA2211FAD	ECA2212FAD	ECA2214FAD	ECA2218FAD	
		5		HMCPE 30A	ECA2211FAE	ECA2212FAE	ECA2214FAE	ECA2218FAE	
		7-1/2		HMCPE 50A	ECA2211FAF	ECA2212FAF	ECA2214FAF	ECA2218FAF	
	230	1	120	HMCPE 7A	ECA2211FAC	ECA2212FAC	ECA2214FAC	ECA2218FAC	W200M1CFC
		3		HMCPE 15A	ECA2211FAD	ECA2212FAD	ECA2214FAD	ECA2218FAD	
		5		HMCPE 30A	ECA2211FAE	ECA2212FAE	ECA2214FAE	ECA2218FAE	
		7-1/2		HMCPE 50A	ECA2211FAF	ECA2212FAF	ECA2214FAF	ECA2218FAF	
	460	1	120	HMCPE 3A	ECA2211FAB	ECA2212FAB	ECA2214FAB	ECA2218FAB	W200M1CFC
		3		HMCPE 7A	ECA2211FAC	ECA2212FAC	ECA2214FAC	ECA2218FAC	
		5		HMCPE 15A	ECA2211FAD	ECA2212FAD	ECA2214FAD	ECA2218FAD	
		10		HMCPE 30A	ECA2211FAE	ECA2212FAE	ECA2214FAE	ECA2218FAE	
575	1	120	HMCP 3A	ECA2211FA5	ECA2212FA5	ECA2214FA5	ECA2218FA5	W200M1CFC	
	3		HMCP 7A	ECA2211FA6	ECA2212FA6	ECA2214FA6	ECA2218FA6		
	5		HMCP 15A	ECA2211FA7	ECA2212FA7	ECA2214FA7	ECA2218FA7		
	10		HMCP 30A	ECA2211FA8	ECA2212FA8	ECA2214FA8	ECA2218FA8		
2	200	10	120	HMCPE 50A	ECA2221FAF	ECA2222FAF	ECA2224FAF	ECA2228FAF	W200M2CFC
		15		HMCPE 70A	ECA2221FAW	ECA2222FAW	ECA2224FAW	ECA2228FAW	
	25	HMCPE 50A		ECA2221FAF	ECA2222FAF	ECA2224FAF	ECA2228FAF		
	15	HMCP 30A		ECA2221FA8	ECA2222FA8	ECA2224FA8	ECA2228FA8		
	25	HMCP 50A		ECA2221FA9	ECA2222FA9	ECA2224FA9	ECA2228FA9		
3	200	20	120	HMCPE 100A	ECA2231FAG	ECA2232FAG	ECA2234FAG	ECA2238FAG	W200M3CFC
		25		HMCPE 100A	ECA2231FAX	ECA2232FAX	ECA2234FAX	ECA2238FAX	
	25	HMCPE 100A		ECA2231FAG	ECA2232FAG	ECA2234FAG	ECA2238FAG		
	30	HMCPE 100A		ECA2231FAX	ECA2232FAX	ECA2234FAX	ECA2238FAX		
	50	HMCPE 100A		ECA2231FAG	ECA2232FAG	ECA2234FAG	ECA2238FAG		
	575	30		HMCP 50A	ECA2231FA9	ECA2232FA9	ECA2234FA9	ECA2238FA9	
4	200	40	120	HMCP 150A	ECA2241FAH	ECA2242FAH	ECA2244FAH	ECA2248FAH	W200M4CFC
		50		HMCP 150A					
		100		HMCP 150A					
		100		HMCP 150A					
5	200	50	120	HMCP 250A	ECA2251FAJ	ECA2252FAJ	ECA2254FAJ	ECA2258FAJ	W200M5CFC
		75		HMCP 400A	ECA2251FAK	ECA2252FAK	ECA2254FAK	ECA2258FAK	
	60	HMCP 250A		ECA2251FAJ	ECA2252FAJ	ECA2254FAJ	ECA2258FAJ		
	100	HMCP 400A		ECA2251FAK	ECA2252FAK	ECA2254FAK	ECA2258FAK		
	125	HMCP 250A		ECA2251FAJ	ECA2252FAJ	ECA2254FAJ	ECA2258FAJ		
	200	HMCP 400A		ECA2251FAK	ECA2252FAK	ECA2254FAK	ECA2258FAK		
6	200	150	120 ⁽⁶⁾	HMCP 600A	ECA2261EAL	ECA2262EAL	ECA2264EAL	ECA2268EAL	W200M6CFC
		200		HMCP 600A	ECA2261BAL	ECA2262BAL	ECA2264BAL	ECA2268BAL	
		350		HMCP 600A	ECA2261CAL	ECA2262CAL	ECA2264CAL	ECA2268CAL	
		400		HMCP 1200A	ECA2261FAP	ECA2262FAP	ECA2264FAP	ECA2268FAP	
575	400	400	HMCP 600A	ECA2261DAL	ECA2262DAL	ECA2264DAL	ECA2268DAL		

- ⁽¹⁾ For motor full load current (FLA) range of .47A – 3.81A with a 1.15 to 1.25 service factor and for motor hp range of 1/4 hp to 2 hp at 460V.
- ⁽²⁾ All starters provided with coils for separate control.
- ⁽³⁾ Starters for 50 Hz operation use 110V 50 Hz magnet coil. Change 8th character from **F** to **N**.
- ⁽⁴⁾ The Catalog Numbers listed in the Type 4X column are for Type 4X 304-Grade Stainless Steel, as indicated by the seventh digit 4. Example: ECA22L4FAC. To order Type 4X 316-Grade Stainless Steel, change that digit to **9**. To order Type 4 Painted Steel, change that digit to **3**. To order Nonmetallic, change that digit to **5**. For details on these Alternate Enclosures, see **Tab 14**.
- ⁽⁵⁾ All Type 12 enclosures are standardized with external reset. For internal reset, order Mod Code **R5**.
- ⁽⁶⁾ Size 6 includes control power transformer.

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