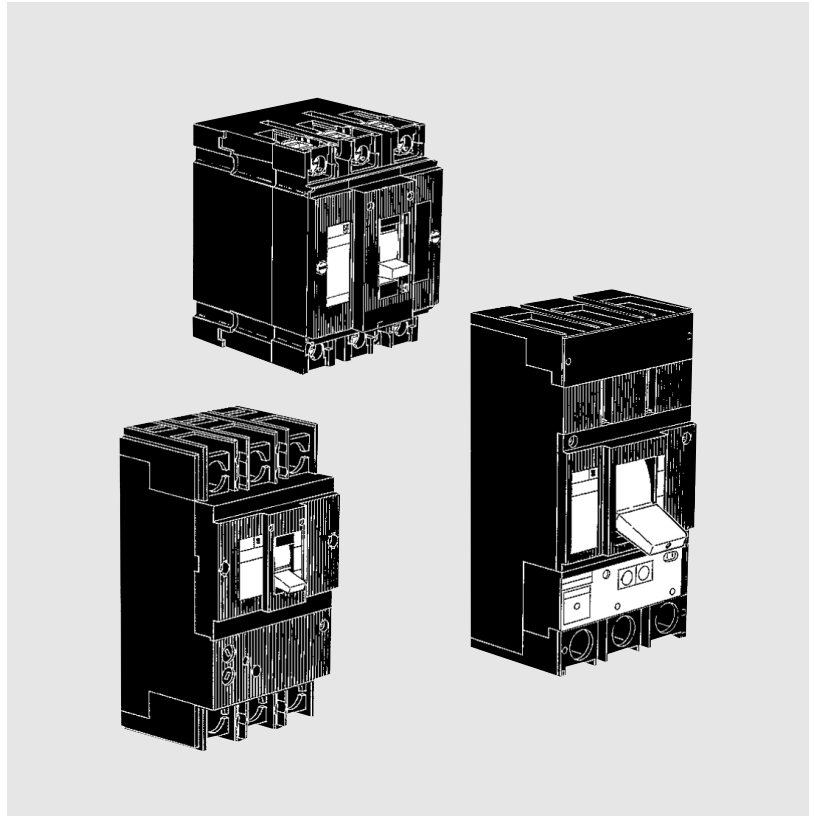


COMPACT® CE/CF/CJ Circuit Breakers

PRICING

March 1999

Class 600



CONTENTS

Description	Page
CE Circuit Breakers.....	3
CF Circuit Breakers.....	6
CJ Circuit Breakers.....	10

Merlin Gerin



SQUARE D
Schneider Electric

Selection Table

ratings as per UL 489			CE		CF		CJ	
number of poles			3		3		3	
rated current (A)			100		250		400–600	
rated voltage (Vac)			600Y/347	600	600Y/347	600	600	
type of circuit breaker			N	L	H	L	H	L
interrupting ratings (kA rms)	AC 50/60 Hz	240 V	65	150	100	150	100	150
		480 V	35	100	42	150	42	150
		600Y/347 V	10		14			
		600 V		42		65	25	65
trip units								
functions	thermal-magnetic		■		■		■	
	electronic						■	
	instantaneous only				■		■	
	molded case switch		■		■		■	

dimensions and weights								
dimensions HxWxD (inches)	3-pole	fixed	5x4x4	8x4x4	10x5x4	11x5x7	12x6x4	12x6x7
weight (pounds)	3-pole	fixed	3.75	5.75	9	20	15	23

Catalog Number Construction

COMPACT CE circuit breakers

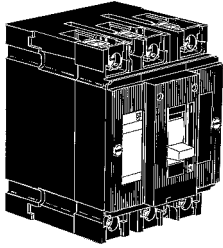
1	2	3	4	5	6	7	8	9	10
1 style	2 termination page	3 poles	4 voltage	5 amperage	6 trip function	7 aux. switches alarm switch page 4	8 shunt trip undervoltage trip page 5	9 special termination page 4	10 handle acc. page 6 motor operators page 4

COMPACT CF circuit breakers

1	2	3	4	5	6	7	8	9	10	11	12
1 style	2 termination page 7	3 poles	4 voltage page 6	5 amperage	6 trip function	7 aux. switches alarm switch page 8	8 overcurrent trip switch page 8	9 shunt trip undervoltage trip page 8	10 secondary disconnects page 8	11 special termination page 7	12 handle accessories page 9 motor operators page 8

COMPACT CJ circuit breakers

1	2	3	4	5	6	7	8	9	10	11	12
1 style	2 termination page 12	3 poles	4 voltage 6: 600 Vac	5 amperage	6 trip function	7 aux. switches alarm switch page 12	8 overcurrent trip switch page 12	9 shunt trip undervoltage trip page 12	10 secondary disconnects page 12	11 special termination page 12	12 handle accessories page 13 motor operators page 12



COMPACT CE with Thermal-Magnetic Trip Unit

Rating (A)	Cable Connection	List Price
CE106N—600Y/347 Vac Max.—35kA at 480 Vac		
15	CEAL36015	\$ 506
20	CEAL36020	506
30	CEAL36030	506
40	CEAL36040	506
45	CEAL36045	506
50	CEAL36050	506
60	CEAL36060	506
70	CEAL36070	599
80	CEAL36080	599
90	CEAL36090	599
100	CEAL36100	599
CE106L —600 Vac Max.—100kA at 480 Vac		
15	CEIL36015	1114
20	CEIL36020	1114
30	CEIL36030	1114
40	CEIL36040	1114
45	CEIL36045	1114
50	CEIL36050	1114
60	CEIL36060	1114
70	CEIL36070	1314
80	CEIL36080	1314
90	CEIL36090	1314
100	CEIL36100	1314
CE106NA—Molded Case Switch—600 Vac		
100	CEAL36000S	479

IEC Rated Alternatives

C101H—690 Vac—42kA at 480 Vac—IEC Rated alternative—Not UL Listed		
15	38660	506
25	38662	506
40	38663	506
63	38665	506
80	38666	599
100	38667	599
C101L—690 Vac—125 at 480 Vac—IEC Rated alternative—Not UL Listed		
15	38810	1114
25	38812	1114
40	38813	1114
63	38815	1114
80	38816	1114
100	38817	1314
C101NI—Molded Case Switch—690 Vac—IEC Rated alternative—Not UL Listed		
100	39703	479

Interrupting ratings: page 2

Cable range: pressure terminals are suitable for copper and aluminum cables:

- 15–30 A: #14 AWG (2.5 mm²) to #10 AWG (4 mm²) Cu
- 40–100 A: #8 AWG (10 mm²) to #1 AWG (50 mm²) Cu or #8 AWG (10 mm²) to #1/0 AWG (50 mm²) Al

Additional information:

- Catalog no. AC0121/1E
- D-Fax no. 351

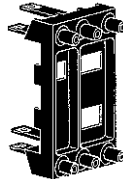
Installation and Connection—Field installable only

	Catalog No.	List Price
Cable Lugs on Both Sides	–	no charge

Mixed Rear Connection Kit

consisting of	2 short rear connections	39998 (2)	\$ 65 ea
	1 long rear connection	39991 (1)	70

Plug-in Assembly
consisting of



base ^①		38458	212
plugs	N-type	39985 (3)	24 ea
	L-type	39992 (3)	28 ea
terminal covers		39983	52

Accessories—Field installable only

	Volts (V)	Catalog Number	List Price
Auxiliary and Alarm Switches^②			



UL Listed

1 auxiliary switch (OF)		38401	\$165
2 auxiliary switches (OF)		38401 (2)	165 ea
1 alarm switch (SD)		38402	165
1 auxiliary (OF) and 1 alarm switch (SD)		38401+38402	165 ea
2 alarm switches (SD)		38402 (2)	165 ea

IEC Rated alternative—Not UL Listed

1 auxiliary switch (DF)		40036	165
2 auxiliary switches (2DF)		40036 (2)	165 ea
1 alarm switch (SD)		40037	165
1 auxiliary (DF) + 1 alarm switch (SD)		40036 + 40037	165 ea

Shunt Trip^③



UL Listed

AC 60 Hz	120	38446	405
	24	38435	405
DC	12	38434	405

IEC Rated alternative—Not UL Listed

AC 50/60 Hz	110-130	40031	405
	220-240	40032	405
	380-415	40033	405
	440-480	40034	405
DC	24	40029	405
	48	40030	405
	110-125	40028	405
	250	40026	405

Undervoltage Trip^④



UL Listed

AC 60 Hz	120	38420	405
	240	38423	405
DC	24	38410	405
	48	38411	405

IEC Rated alternative—Not UL Listed

AC 50/60 Hz	110-130	40044	405
	220-240	40045	405
	380-415	40046	405
	440-480	40043	405
DC	24	40047	405
	48	40048	405
	110-130	40049	405
	250	40050	405






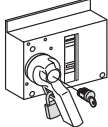
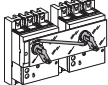

① no trip interlock on 15, 20 and 30 amp ratings—IEC Rated alternative #39973—\$212

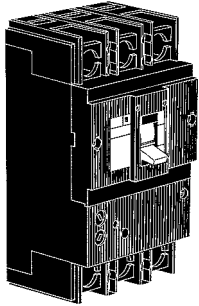
② 5 A (auxiliary), 5 A (alarm) at 240 Vac; 0.3 A at 125 Vdc

③ minimum voltage 75% of rated voltage

④ dropout at 35–70% of rated voltage, pickup at 85% of rated voltage

Accessories—Field installable only—Continued

		Catalog No.	List Price
Directly Mounted Rotary Handles			
	standard	with black toggle	39980 \$ 83
	MCC type		39979 117
Door Mounted Rotary Handles			
	rear door	long shaft (=39980+42897)	39954 261
Spare Black Handle for Directly or Door Mounted Rotary Operating Handle			
			42875 46
Padlocking and Locking Devices			
	of the Handle (in OFF position)	by 3 padlocks (not supplied)	44936 32
	of the Rotary Handle (circuit breaker in OFF position)	by 3 padlocks (not supplied)	built in
		by 1 key lock Ronis 1351.500	41940 116
Mechanical Interlocking (for fixed circuit breakers with rotary handle)			
		mechanical device (rotary operating handles not included)	44826 411
Key Locks Interlocking (for fixed circuit breakers with rotary handle)			
		1 set of 2 key locks (keyed alike)	Ronis 1351.500 41950 292



COMPACT CF with Thermal-Magnetic Trip Unit

Rating (A)	Busbar Connection	List Price
CF250H—600Y/347 Vac Max.—42kA at 480 Vac		
125	CFHF36125	\$ 1901
150	CFHF36150	1901
175	CFHF36175	1901
200	CFHF36200	1901
225	CFHF36225	1901
250	CFHF36250	2739
CF250L—600 Vac Max.—150kA at 480 Vac		
Busbar Connection		
125	CFIF36125F	3044
150	CFIF36150F	3044
175	CFIF36175F	3044
200	CFIF36200F	3044
225	CFIF36225F	3044
250	CFIF36250F	4201
Plug-in		
125	CFIF36125	3216
150	CFIF36150	3216
175	CFIF36175	3216
200	CFIF36200	3216
225	CFIF36225	3216
250	CFIF36250	4371
CF250HC—for Motor Circuit Protection—600Y/347 Vac		
250	CFHF36250M	2106
CF250NA—Molded Case Switch—600 Vac		
250	CFAF36000S	1162
C250H—690 Vac—42kA at 480 Vac—IEC Alternative—Not UL Listed		
160	43111	1697
200	43112	1697
250	43113	2845
C250L—690 Vac—150kA at 480 Vac—IEC Alternative—Not UL Listed		
Busbar Connection		
160	43195	3044
200	43196	3044
250	43197	4201
Rear Connection		
160	43219	3371
200	43220	3371
250	43221	4524
Plug-In (Plug-in base is included)		
160	43243	3216
200	43244	3216
250	43245	4371

Cable range: Field installable pressure terminals are available. See page 7. They are suitable for copper and aluminum cables:

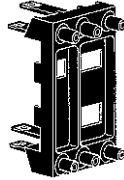
- 15–30 A: #14 AWG (2.5 mm²) to #10 AWG (4 mm²) Cu
- 40–100 A: #8 AWG (10 mm²) to #1 AWG (50 mm²) Cu or #8 AWG (10 mm²) to #1/0 AWG (50 mm²) Al

Interrupting capability: page 2




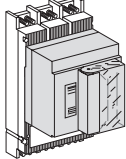
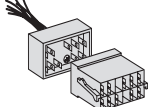
Additional information:
 ■ Catalog no. AC0061/2E
 ■ D-Fax no. 352

Installation and Connection—Field installable only

		Catalog No.	List Price
Busbar Connection			
Connection Screws		37267 (2)	\$ 10
250 A Lugs			
#4 AWG (25 mm ²)—250 kcmil (120 mm ²) Cu or 350 kcmil (185 mm ²) Al—60/75°C wires for ratings 125 A and less			
	one side (three lugs)	37626	53
Rear Connection			
	N- and H-type	37625 (2)	162 ea
Plug-in Assembly			
	base	37628	317
	plugs	N/H-type	43802 (3)
		L-type—supplied with the circuit breaker	—



Accessories—Field installable only

		Volts	Catalog No.	List Price	
Auxiliary and Alarm Switches					
	UL Listed				
			2 auxiliary switches (OF) ^①	37402	\$ 304
			1 auxiliary (OF) and 1 alarm switch (SD) ^①	37401	215
	IEC Rated alternative—Not UL Listed				
			2 auxiliary switches (2OF)	42901 (2)	304
		1 auxiliary (OF) + 1 alarm switch (SD)	42902	215	
Shunt Trip^②					
	UL Listed				
		AC 60 Hz	120	37437	405
		DC	12	37434	405
			24	37435	405
			48	37436	405
			125	37437	405
	IEC Rated alternative—Not UL Listed				
		AC 50/60 Hz	24	42910	405
		and DC	48-60	42911	405
			110-130	42912	405
		220-300	42913	405	
		380-480	42914	405	
Undervoltage Trip^③					
	UL Listed				
		AC 60 Hz	120	37418	405
			240	37419	405
		DC	24	37410	405
			48	37411	405
	IEC Rated alternative—Not UL Listed				
		AC 50/60 Hz	48	42919	405
			110-130	42920	405
			220-240	42921	405
			380-415	42922	405
		525	42927	405	
	DC	24	42923	405	
		30	42938	405	
		48	42924	405	
		110-130	42925	405	
		250	42926	405	
Motor Operator					
	standard type	AC 60 Hz	120	37464	1592
Secondary Disconnecting Blocks—Common with CK Circuit Breakers—DE2 Discount Schedule					
	moving part		3 terminals ^④	36693	32
			6 terminals ^⑤	36696	48
	fixed part		3 terminals ^④	42940	32
			6 terminals ^⑤	42941	48

① 6 A (auxiliary), 5 A (alarm) at 480 Vac; 3 A at 600 Vac; 0.5 A at 125 Vdc; 0.25 A at 250 Vdc



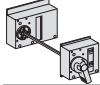


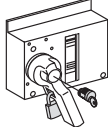
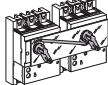

② minimum voltage 55% of rated voltage in ac and 75% of rated voltage in dc

③ dropout at 35–70% of rated voltage, pickup at 85% of rated voltage

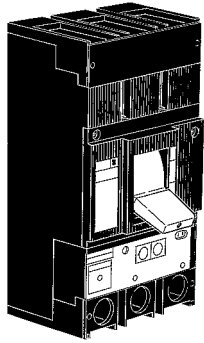
④ 3 wires are needed for shunt trip or undervoltage trip

⑤ 6 wires are needed for auxiliary switches or motor operator

Accessories—Field installable only—Continued

			Catalog No.	List Price
Directly Mounted Rotary Handles				
	standard	with black toggle	43820	\$ 128
	MCC type		43824	117
Door Mounted Rotary Handles				
	rear door	(=43820+42897)	43847	306
Spare Black Toggle for Rotary Operating Handle				
			42875	49
Padlocking and Locking Devices				
	of the Handle (in OFF position)			
	by 3 padlocks (padlocks not supplied)		44936	32
	of the Rotary Operating Handle (circuit breaker in OFF position)			
	by 3 padlocks (padlocks not supplied)		built-in	
	by key lock (Ronis 1351.500)		41940	116
Mechanical Interlocking (for use with 2 directly-mounted rotary handles)				
	CE to CJ frame		44826	411
Key Locks Interlocking (for fixed circuit breakers with rotary handle)				
	1 set of 2 key locks (keyed alike)	Ronis 1351.500	41950	292

COMPACT® CJ Circuit Breakers
COMPACT® CJ Circuit Breakers



COMPACT CJ with Thermal-Magnetic Trip Unit

Rating (A)	Busbar Connection	List price
CJ400H— 42kA at 480 Vac		
300	CJHF36304	\$ 2942
350	CJHF36354	2942
400	CJHF36404	2942
CJ600H— 42kA at 480 Vac		
450	CJHF36456	4868
500	CJHF36506	4868
600	CJHF36606	4868
CJ400L— 150kA at 480 Vac		
300	CJIF36304	4524
350	CJIF36354	4524
400	CJIF36404	4524
CJ400/600HC for Motor Circuit Protection		
600	CJHF36606M	4868
CJ400/600NA Molded Case Switch		
600	CJAF36006S	3373

COMPACT CJ with Electronic Trip Unit and Full Ampere Rating Plug

Trip Unit Type	Rating (A)	Busbar Connection	List Price
CJ400N— 35kA at 480 Vac			
ST214S	400	CJAEF36404LS	3751
CJ600N— 35kA at 480 Vac			
ST214S	600	CJAEF36606LS	5208
CJ400H— 42kA at 480 Vac			
ST214S	400	CJHEF36404LS	4429
CJ600H— 42kA at 480 Vac			
ST214S	600	CJHEF36606LS	6327
Rating Plugs			
CJ400	250	36203	116
	300	36204	116
	350	36205	116
	400	36206	116
CJ600	400	36213	116
	500	36214	116
	600	36215	116

IEC Rated Alternatives

C401H— 690 Vac—42 kA at 480 Vac—IEC Rated alternative—Not UL Listed		
300	44675	3132
400	44676	3132
C630H— 690 Vac—42 kA at 480 Vac—IEC Rated alternative—Not UL Listed		
500	45116	5126
630	45117	5126
C401L— 690 Vac—150 kA at 480 Vac—IEC Rated alternative—Not UL Listed		
300	44685	4715
400	44686	4715

Cable range: Field installable pressure terminals are available. See page 7. They are suitable for copper and aluminum cables:

- 15–30 A: #14 AWG (2.5 mm²) to #10 AWG (4 mm²) Cu
- 40–100 A: #8 AWG (10 mm²) to #1 AWG (50 mm²) Cu or #8 AWG (10 mm²) to #1/0 AWG (50 mm²) Al

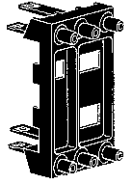
Interrupting capability: page 2

Additional information:

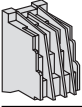
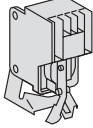
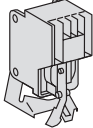
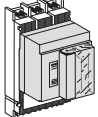
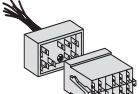
- Catalog no. AC0060/1E
- D-Fax no. 353

Installation and Connection—Field installable only

		Catalog No.	List Price	
Busbar Connection				
Connections Screws		36703 (2)	\$ 10	
400 A Lugs —(1) #2/0 AWG (70 mm ²) to 600 kcmil (300 mm ²) Cu or #4/0 AWG (95 mm ²) to 500 kcmil (240 mm ²) Al				
	one side—UL Listed	36699	95	
	one pole—IEC Rated	44813	63	
600 A Lugs —(1) #2/0 AWG (70 mm ²) to 500 kcmil (240 mm ²) Cu or (1) to (2) #2/0 AWG (70 mm ²) to 350 kcmil (185 mm ²) Cu or (1) to (2) #4/0 AWG (95 mm ²) to 500 kcmil (240 mm ²) Al				
	one side—UL Listed	36702	129	
	one pole—IEC Rated	44814	86	
Rear Connection				
	N- and H-type	36704 (2)	325 ea.	
Plug-in Assembly				
	base	36698	570	
	plugs	N/H	44802 (3)	94 ea.
		L	44802 (3) + 44839 (3)	94 ea. 50 ea.



Accessories—Field installable only

		Volts (V)	Catalog No.	List Price
Auxiliary and Alarm Switches—Common with CK Circuit Breakers—DE2 Discount Schedule				
	1 auxiliary (OF) and 1 alarm (SD)①		36405	\$ 288
	3 auxiliary (OF) and 1 alarm switch (SD)①		36402	784
	2 auxiliary switches (OF)①		36404	407
	1 overcurrent trip switch		37403	86
Shunt Trip②—Common with CK Circuit Breakers—DE2 Discount Schedule				
	AC 60 Hz	120	36437	455
		240	36446	455
		480	36446	455
	DC	12	36434	455
		24	36435	455
		48	36436	455
	125	36437	455	
Undervoltage Trip③—Common with CK Circuit Breakers—DE2 Discount Schedule				
	AC 60 Hz	120	36418	455
		240	36419	455
		480	36420	455
	DC	24	36410	455
		48	36411	455
		125	36412	455
Motor Operator				
	standard type	AC 60 Hz 120	36464	2131
Secondary Disconnecting Blocks—Common with CK Circuit Breakers—DE2 Discount Schedule				
	moving part	3 term.	36693④	32
		6 term.	36696⑤	48
	fixed part	3 term.	42940④	32
		6 term.	42941⑤	48

① 6 A (auxiliary), 5 A (alarm) at 480 Vac; 3 A at 600 Vac; 0.5 A at 125 Vdc; 0.25 A at 250 Vdc





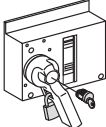
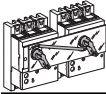

② minimum voltage 55% of rated voltage in ac, and 75% of rated voltage in dc

③ drop out at 35–70% of rated voltage, pickup at 85% of rated voltage

④ 3 wires are needed for shunt trip or undervoltage trip

⑤ 6 wires are needed for auxiliary switches or motor operator

Accessories—Field Installable Only—Continued

			Catalog no.	List Price
Directly Mounted Rotary Handle				
	standard	with black toggle	44820	\$ 212
		separate red toggle	44847	52
Door Mounted Rotary Handle				
	rear door	(=44820+42897)	44840	390
Spare Black Toggle for Rotary Operating Handle				
			44846	65
Padlocking and Locking Devices				
	of the Handle (in OFF position)			
	by 3 padlocks (padlocks not supplied)		44936	32
	of the Rotary Operating Handle (circuit breaker in OFF position)			
	by 3 padlocks (padlocks not supplied)		built in	
	by key lock	Ronis 1351.500	41940	116
Mechanical Interlocking (for use with 2 directly mounted rotary handles)				
	CE to CJ frame		44826	411
Key Locks Interlocking (for fixed circuit breakers with rotary handle)				
	1 set of 2 key locks (keyed alike)	Ronis 1351.500	41950	292

