

Molded Case Circuit Breakers

COMPACT® CK 400, CK 800 and CK 1200 Circuit Breakers

Molded Case Circuit Breaker

The CK type circuit breaker covers continuous current ratings from 200 to 1200 A

- 1000 A current limiting circuit breaker
- Reverse feeding
- UL Listed for continuous operation at 100% of circuit breaker rating
- Rating plugs
- Built-in ground-fault protection
- Load monitoring
- LED fault indicators
- Snap-in field-installable accessories
- Moisture and fungus protection
- True positive break indication
- Reinforced insulation
- Integral partitioning (insulated accessory compartment)
- Internal accessories designed with built-in control terminals
- Push-to-trip
- Reduced depth: 4.5 in. (110 mm)
- Maintenance-free operation

Electronic Trip Unit

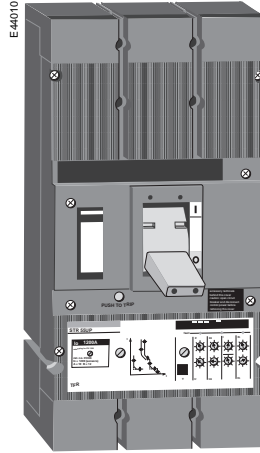
The COMPACT® CK circuit breaker can be equipped with one of three types of electronic trip units to suit the individual requirements of the application. Each trip unit includes its own adjustment ranges and characteristics, increasing accuracy, reliability and versatility of the circuit breaker's performance.

Compliance with International Standards

In addition to UL 489 and CSA C22-2 No. 5, the COMPACT® CK circuit breaker has been designed to comply with the international standard IEC 947-2 as well as with the following major standards:

- British BS 4752;
- German VDE 660;
- French NF C63-120;
- Australian AS 1930;

COMPACT® circuit breakers have been approved for marine applications by the American Bureau of Shipping, Bureau Veritas, Lloyd's Register of Shipping, Registro Italiano Navale, Germanische Lloyd's and Det Norske Veritas.



Interrupting Ratings

CK Type 3-Pole ①	Rating (A)			UL 489 Listed / CSA Approved Interrupting Ratings		
	Rated Voltage (V) AC 60 Hz	Current Sensors (A)	Rating Plugs (A)	RMS Sym. Amps		
				240 V	480 V	600 V
Standard Rated Circuit Breaker						
CK 400N–CK 400NN	600	400	200–400	65 000	50 000	35 000
CK 800N–CK 800NN	600	800	400–800	65 000	50 000	35 000
CK 1200N–CK 1200NN	600	1200	600–1200	65 000	50 000	35 000
High Interrupting Rated Circuit Breaker						
CM 1250HH	600	400	200–400	100 000	65 000	42 000
CM 1600HH	600	800	400–800	100 000	65 000	42 000
CM 2000HH	600	1000	500–1000	150 000	150 000	65 000
CM 2500HH	600	1200	600–1200	100 000	65 000	42 000
Current Limiting Circuit Breakers						
CM 1600HA	480	1000	500–1000	150 000	150 000	—
Molded Case Switches						
CK 800NA	600					
CK 1200NA	600					

① N, H and NA circuit breaker types are also available as 4-Pole.

Trip Unit

Type	STR 25DP	STR 45SP	STR 55UP
Long-time	■	■	■
Long-time delay	Fixed	■	■
Short-time	—	■	■
Short-time delay	—	■	■
Instantaneous	■	Fixed	■
Fault indication	—	—	Option F
Ground-fault	—	—	Option T
Zone-selective interlocking	—	—	Option Z
Load monitoring	—	—	Option R
Communication	—	—	Option C

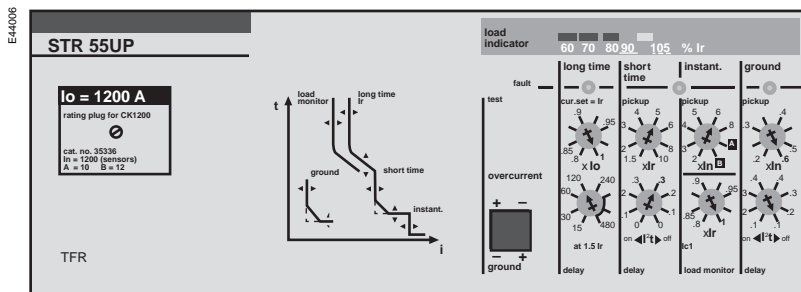


SQUARE D
GROUPE SCHNEIDER

Electronic STR Trip Unit

Rating Plugs

- CK 400: 200, 225, 250, 300, 350, 400 A
 - CK 800: 400, 500, 600, 700, 800 A
 - CK 1000L: 500, 600, 700, 800①, 1000 A
 - CK 1200: 600, 700, 800, 900, 1000①, 1200 A
- ① Max. rating plug in drawout mounting.



Trip Unit Type	STR 25DP	STR 45SP	STR 55UP
Long-time			
Current setting	0.8 to 1 x plug rating	0.8 to 1 x plug rating	0.8 to 1 x plug rating
Delay	Fixed	15 to 480 s	15 to 480 s
Short-time			
Pickup		1.5 to 10 x current setting	1.5 to 10 x current setting
Delay		0, 0.1, 0.2 or 0.3	0, 0.1, 0.2 or 0.3
Instantaneous			
	1.5 to 10 x current setting	Fixed	2 to 12 according to current sensors
Ground-fault (Option T)			
Pickup			0.2 to 0.6 x current sensors
Delay			0.1, 0.2, 0.3 or 0.4
Load Monitoring (Option R)			
Pickup (2 outputs)			lc1 = 0.8 to 1 x current setting lc2 = 0.5 to 1 x current setting

Accessories

- One SPDT auxiliary switch plus one SPDT alarm switch or
- Two SPDT auxiliary switches or
- Three SPDT auxiliary switches plus one SPDT alarm switch
- Shunt trip or
- Undervoltage release (voltages available: 120, 240, 480 and 600 Vac, 60 Hz, 12, 24, 48 and 125 Vdc)
- One overcurrent trip switch (operates when circuit breaker trips through trip unit operation only)
- Motor operator (voltages available: 120 and 240 Vac, 24, 48 and 125 Vdc)
- Padlock and lock adaptor
- Mechanical interlock
- External neutral sensor
- Rotary operating handle
- Door escutcheon
- Label holder

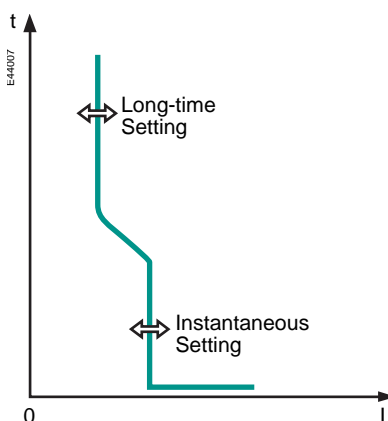
Terminals

- For bus bar connection
- Optional pressure-type terminals for copper and aluminum cables
- Rear connections (flat or edgewise)
- Drawout mounting

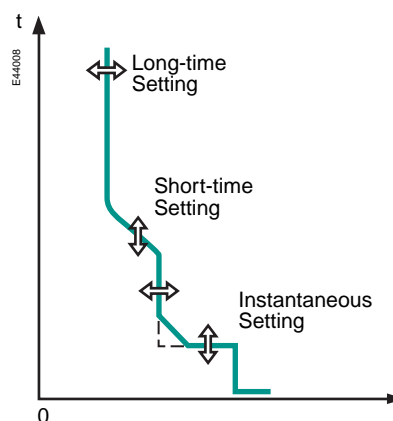
Dimensions

- H = 15.75 in. (400 mm)
(add 1.375 in. (35 mm) per side if equipped with pressure-type 1200 A terminal)
- W = 8.25 in. (210 mm)
- D = 4.375 in. (110 mm)
(add 3.53 in. (90 mm) for CK 1000HL and CK 1000L circuit breakers)

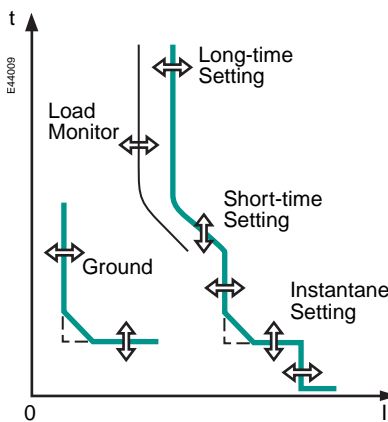
STR 25DP Trip Unit




STR 45SP Trip Unit



STR 55UP Trip Unit



Square D Company
PO Box 3069, 3700 Sixth St SW Cedar Rapids, IA
52406-3069 USA

Square D and  are registered trademarks of Square D Company.
MERLIN GERIN and COMPACT are registered trademarks of Schneider Electric.