

molded case circuit breaker

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

- 1000A current limiting breaker
- reverse feeding
- UL listed for continuous operation at 100% of their rating
- rating plugs
- built-in ground fault protection
- load monitoring
- LED's 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 1/2" / 110mm)
- ease of installation
- maintenance free operation

interrupting ratings

CK type 3-pole	ampere ratings			UL listed - CSA approved interrupting ratings		
	rated voltage (V) AC 60Hz	current sensors (A)	rating plugs (A)	RMS Sym. Amps 240V	480V	600V
standard type circuit breakers						
CK 400N - CK 400NN	600	400	200 to 400	65,000	50,000	35,000
CK 800N - CK 800NN	600	800	400 to 800	65,000	50,000	35,000
CK 1200N - CK 1200NN	600	1200	600 to 1200	65,000	50,000	35,000
high interrupting type circuit breakers						
CK 400H - CK 400HH	600	400	200 to 400	100,000	65,000	42,000
CK 800H - CK 800HH	600	800	400 to 800	100,000	65,000	42,000
CK 1000HL	600	1000	500 to 1000	150,000	150,000	65,000
CK 1200H - CK 1200HH	600	1200	600 to 1200	100,000	65,000	42,000
current limiting circuit breakers						
CK 1000L	480	1000	500 to 1000	150,000	150,000	
molded case switches						
CK 800NA	600					
CK 1200NA	600					

trip unit

function trip unit type	standard STR 25DP	selectivity / generator STR 45SP	universal STR 55UP
long time	■	■	■
long time delay	fixed	■	■
short time		■	■
short time delay		■	■
instantaneous	■	fixed	■
fault indication			option F
ground fault protection			option T
zone selective interlocking			option Z
load monitoring			option R
communication			option C

built-in trip unit

Compact CK can be equipped with one of three types of solid state 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 breakers performance.

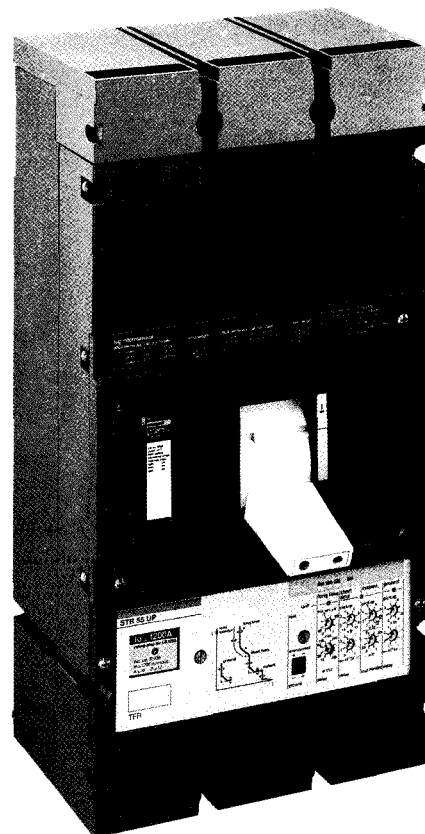
compliance with international standards

In addition to UL489 and CSA C22-2 no.5 the Compact CK has been designed to comply also with the international standard IEC 947-2 as well as with the major standards :

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

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

compact CK CK 400 CK 800 CK 1200

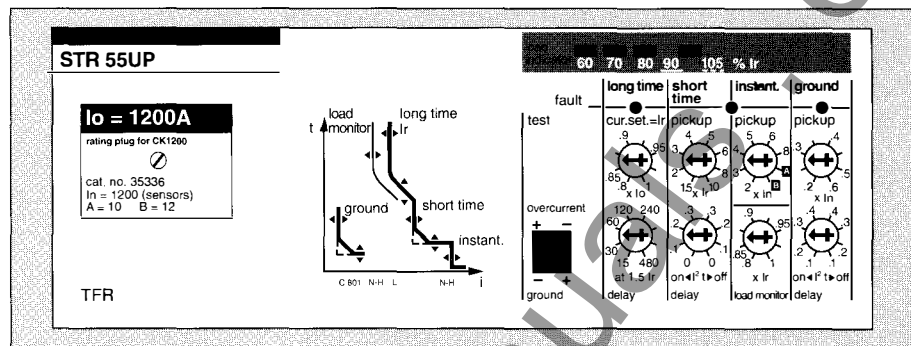


solid state STR trip unit

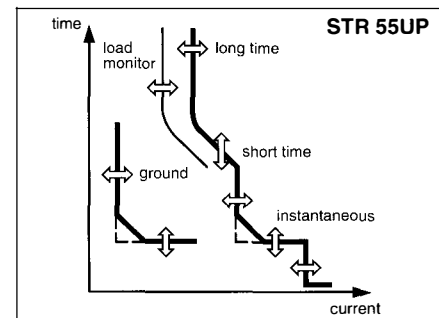
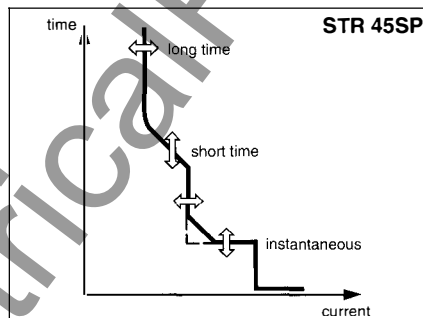
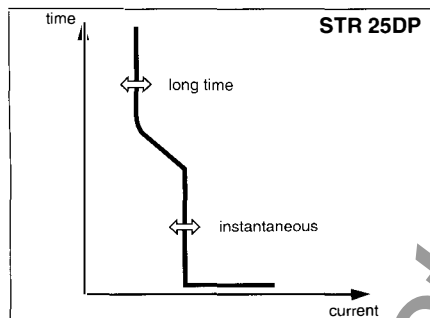
rating plugs

- CK 400 : 200, 225, 250, 300, 350, 400A
- CK 800 : 400, 500, 600, 700, 800A
- CK 1000L : 500, 600, 700, 800 ①, 1000A
- CK 1200 : 600, 700, 800, 900, 1000 ①, 1200A

① max. rating plug in drawout mounting



function	standard STR 25DP	selective - generator STR 45SP	universal STR 55UP
trip unit type			
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 sec	15 to 480 sec
short time			
pickup		1.5 to 10 x current setting	1.5 to 10 current setting
delay		0 - 0.1 - 0.2 - 0.3	0 - 0.1 - 0.2 - 0.3
instantaneous	1.5 to 10 x current setting	fixed at I_n according to sensors	2 to I_n according to sensors
ground fault (option T)			
pickup			0.2 to 0.6 x current sensors
delay			0.1 - 0.2 - 0.3 - 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

- 1 SPDT auxiliary switch plus 1 SPDT alarm switch or
- 2 SPDT auxiliary switches or
- 3 SPDT auxiliary switches plus 1 SPDT alarm switch
- shunt trip or
- undervoltage release (voltages available : 120, 240, 480V, 600V AC 60 Hz, 12, 24, 48, 125V DC).
- 1 overcurrent trip switch (operates when breaker trips through trip unit operation only)
- motor operator (voltages available : 120, 240V AC, 24, 48, 125V DC).

- 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 aluminium cables
- rear connections (flat or edgewise)
- drawout mounting

dimensions (inch/mm)

- H = 15³/₄ / 400**
(add 1³/₈ / 35 per side if equipped with pressure type 1200A terminal)
- W = 8¹/₄ / 210**
- D = 4³/₈ / 110**
(add 3¹/₂ / 90 for CK 1000HL and CK 1000L)

Merlin Gerin Canada LTD
855 Matheson Blvd. East, Unit 14, Mississauga,
Ontario L4W 4L8
tel.: (416) 238-9025
fax: (416) 238-9028

Merlin Gerin INC.
5000 Highlands Pkwy, Suite 150
SMYRNA, GA 30082, USA
tel.: (404) 432.2744
fax: (404) 432.9179

As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.