

GE Consumer & Industrial - Electrical Distribution

X = Current Sensor Tap Setting or Rating

Current Sensor Taps (Amperes) LVPCB	Current Sensor Taps (Amperes) ICCB
AK-25 70/100/150/225/ or 200/300/400/600	800 Envelope 400/200, 600/300, 800/400
AKR-30S 100/150/225/300 or 300/400/600/800	1600 Envelope 800/400, 1000/500, 1200/600, 1600/1000
AKR-50 300/400/600/800 or 600/800/1200/1600	2000 Envelope 2000/1200
AKRT-50 800/1200/1600/2000	2500 Envelope 600/300, 800/400, 1000/500, 1200/600, 1600/1000, 2000/1200, 2500/1800
AKR-75 1200/1600/2000/3200	3000 Envelope 3000/2400
AKR-100 1600/2000/3000/4000	4000 Envelope 4000/3000
Fixed Current Sensor Ratings (Amperes) LVPCB	Fixed Current Sensor Ratings (Amperes) ICCB & MCCB
AKR-30S 100, 150, 225, 300, 400, 600, 800	150, 200, 300, 400, 500, 600, 800
AKR-50 300, 400, 600, 800, 1200, 1600	1000, 1200, 1600, 2000, 2500, 3000, 4000
AKRT-50 800, 1200, 1600, 2000	
AKR-75 1200, 1600, 2000, 3200	
AKR-100 1600, 2000, 3000, 4000	

Voltage Ratings: 600 Vac, 50 through 400 Hertz

CAUTION: 60 Hertz short-circuit ratings do not apply at frequencies over 65 Hertz.

Low-Voltage Power Circuit Breakers

Type AKR
Insulated Case Circuit Breakers
 Type TPV, THV, TCV, THCV, TDV, THDV
Molded Case Circuit Breakers
 Types TJ9V, THJ9V, TK9V, THK9V, TLC9V— All with MicroVersaTrip™

Long-time-delay, Short-time delay, and Instantaneous Time-Current Curves

Curves apply at 50 through 400 Hertz and from -20°C to 55°C breaker ambient or -20°C to 77°C programmer ambient

GES-6199E

Programmer Adjustments

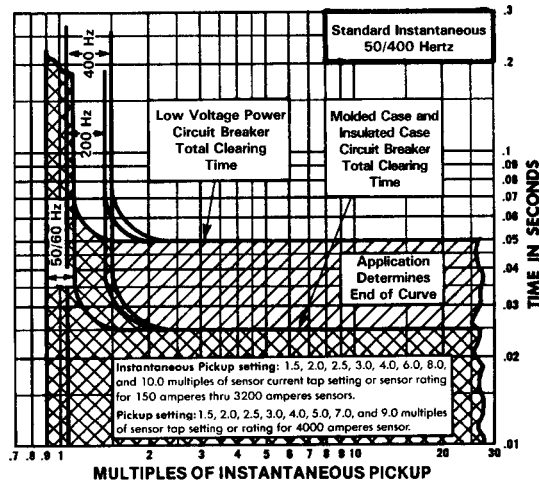
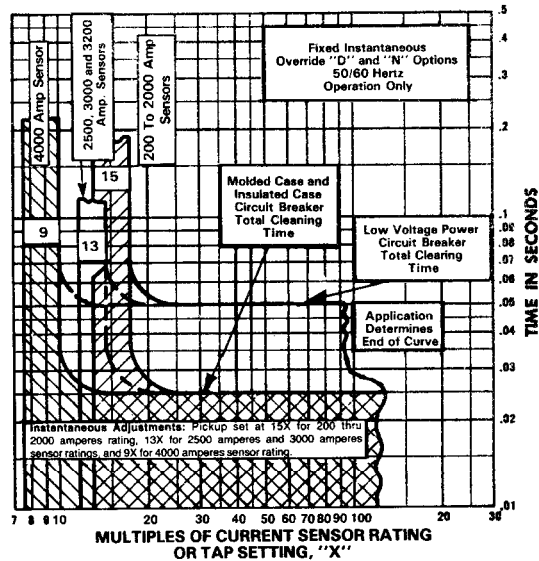
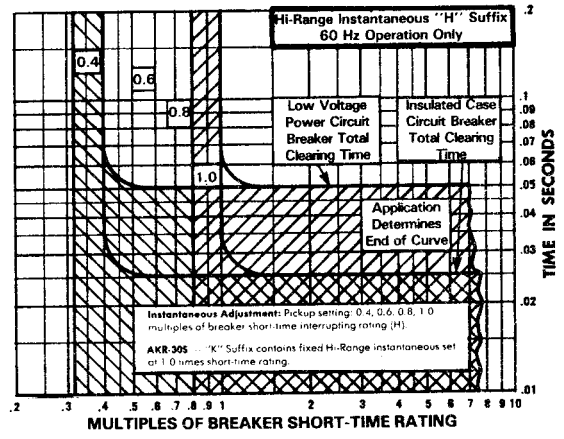
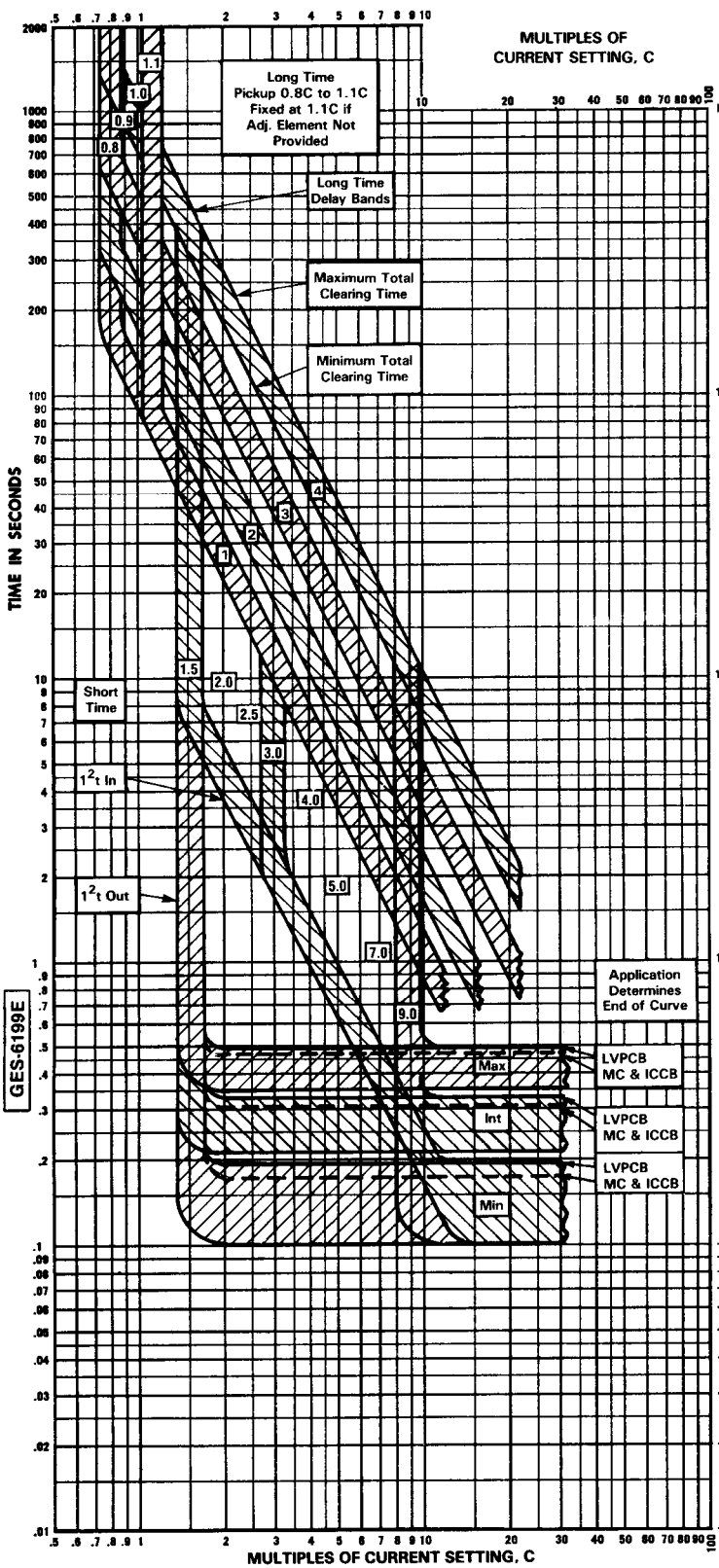
Long Time Delay Unit Current Settings (C): 0.50, 0.60, 0.70, 0.80, 0.85, 0.90, 0.95 and 1.00 multiples of current sensor tap setting or rating (X). **Pickup:** 0.8, 0.9, 1.0, 1.1 multiples of the current setting (C). Long time pickup fixed at 1.1C when the adjustable unit is omitted.
Delay Bands: 1, 2, 3 and 4.

Short Time Delay Unit Pickup Settings: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 7.0 and 9.0 multiples of current setting (C).

Delay Bands: MIN, INT, MAX; I^2t = Constant

Instantaneous Adjustments: See Curves above.

NOTE: Operation above 60 Hertz required continuous current derating of the circuit breaker for thermal reasons.



GENERAL ELECTRIC

X=Current Sensor Tap Setting or Rating

Current Sensor Taps (Amperes) LVPCB		Current Sensor Taps (Amperes) ICCB	
AK-25	70/100/150/225 or 200/300/400/600	800 Envelope	400/200,600/300,800/400
AKR-305	100/150/225/300 or 300/400/600/800	1600 Envelope	800/400,1000/500, 1200/600,1600/1000
AKR-50	300/400/600/800 or 600/800/1200/1600	2000 Envelope	2000/1200
AKRT-50	800/1200/1600/2000	2500 Envelope	600/300,800/400,1000/500, 1200/600,1600/1000
AKR-75	1200/1600/2000/3200		2000/1200, 2500/1800
AKR-100	1600/2000/3000/4000	3000 Envelope	3000/2400
		4000 Envelope	4000/3000
Fixed Current Sensor Ratings (Amperes) LVPCB		Fixed Current Sensor Ratings (Amperes) ICCB and MCCB	
AKR-305	100, 150, 225, 300, 400, 600, 800	150, 200, 300, 400, 500, 600, 800, 1000	
AKR-50	300, 400, 600, 800, 1200, 1600	1200, 1600, 2000, 2500, 3000, 4000	
AKR-75	800, 1200, 1600, 2000		
AKR-100	1200, 1600, 2000, 3200		
	1600, 2000, 3000, 4000		

Voltage Rating: 600 Volts, ac, 50 through 400 Hertz (see caution at right)

LOW-VOLTAGE POWER CIRCUIT BREAKERS

TYPE AKR

INSULATED-CASE CIRCUIT BREAKERS

TYPE TPV, THV, TCV, THCV, TDV, THDV

MOLDED-CASE CIRCUIT BREAKERS

TYPES TJ9V, THJ9V, TK9V, THK9V, TLC9V

All with MicroVersaTrip®

Long-time-delay, Short-time delay, and Instantaneous Time-current Curves

(Curves apply at 50/400 Hertz and from -20C to +55C breaker ambient or -20C to +70C programmer ambient)

GES-6199E

Programmer Adjustments

Long Time Delay Unit Current Settings (C): 0.50, 0.60, 0.70, 0.80, 0.85, 0.90, 0.95 and 1.00 multiples of current sensor tap setting or rating (X). Pickup: 0.8, 0.9, 1.0, 1.1 multiples of the current setting (C). Long time pickup fixed at 1.1 C when the adjustable unit is omitted. Delay Bands: 1, 2, 3 and 4.

Short Time Delay Unit Current Settings (C): 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 7.0, and 9.0 multiples of current setting (C).

Delay Bands: MIN, INT, MAX; $1^2t =$ Constant.

Instantaneous Adjustments: See Curves above.

NOTE: Operation above 60 Hertz requires continuous current derating of the circuit breaker for thermal reasons.

CAUTION: 60-Hertz short-circuit ratings do not apply at frequencies over 65 Hertz.