

GE Consumer & Industrial - Electrical Distribution

X = Current Sensor Taps (Amperes)

AKR-30	100, 150, 225, 300 or 300, 400, 600, 800
AKR-50	300, 400, 600, 800 or 600, 800, 1200, 1600
AKRT-50	800, 1200, 1600, 2000
AKR-75	1200, 1600, 2000, 3200
AKR-100	1600, 2000, 3000, 4000

Power Break and Molded Case Circuit Breakers

150, 200, 300, 400, 500, 600, 800, 1000, 1200, 1600, 2000, 2500, 3000 and 4000 Amperes
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Voltage Ratings: 600 Vac

Low-Voltage Power Circuit Breakers POWER BREAK® and Molded Case Circuit Breakers with MicroVersaTrip® Solid-State Overcurrent Trip Device

Type AKR

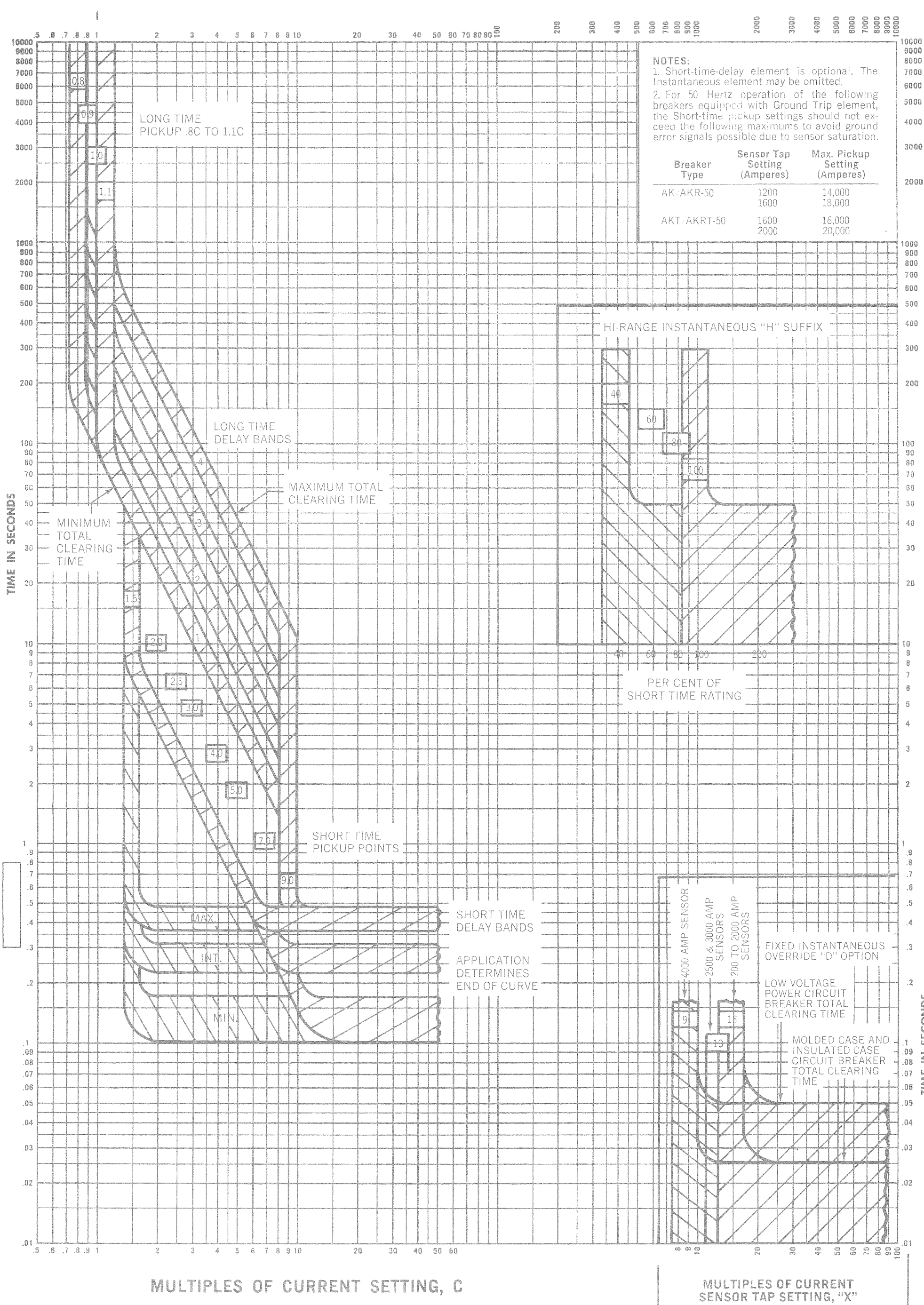
Long-time-delay, Short-time delay and Special Instantaneous Units Time-Current Curves

Curves apply at 50/60 Hertz and from -20°C to 70°C Programmer Ambient. For 50 Hz operation see note above.

GES-6193

Programmer Set Points:

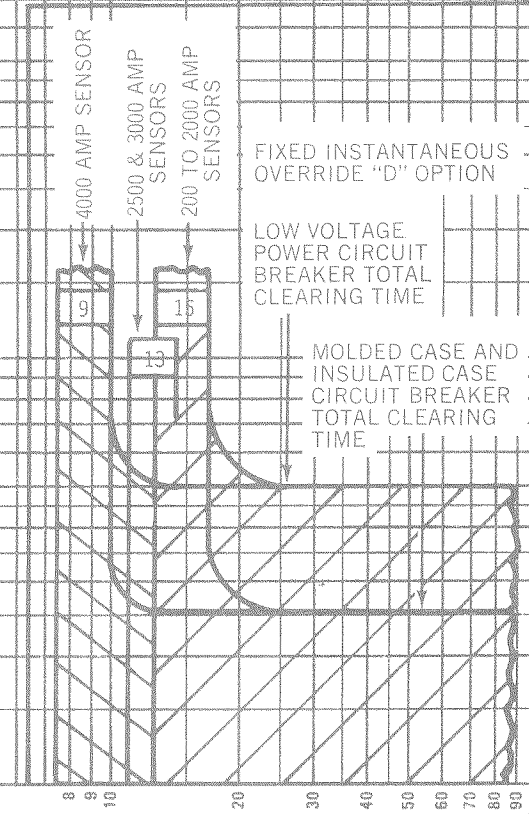
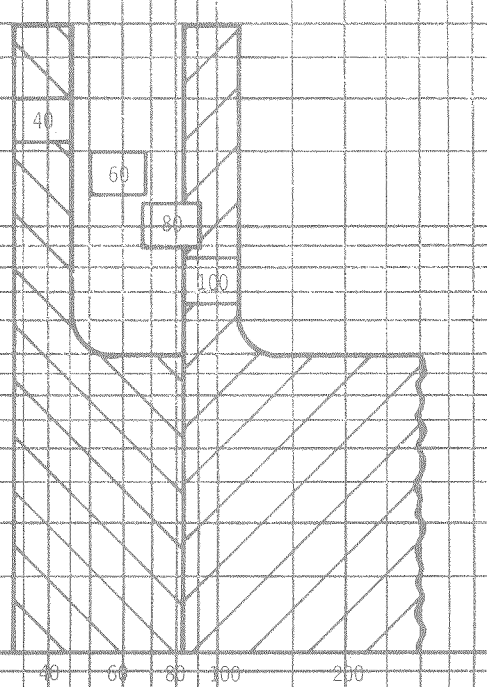
Long Time Current Setting: 50, 60, 70, 80, 85, 90, 95 and 100% multiples of sensor current tap setting or rating (X).
Pickup: 0.8, 0.9, 1.0, 1.1 multiples of the current setting (C).
Delay Bands: 1, 2, 3 and 4.
Short Time Pickup: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 7.0 and 9.0 multiples of current setting (C). For 50 Hz operation, see Note 2.
Time Delay Bands: MIN, INT, MAX.
Instantaneous Adjustments: FIXED INSTANTANEOUS OVERRIDE "D" Option. Pickup set at 15X for 200A through 2000A ratings, 13X for 2500A and 3000A Ratings.



NOTES:
 1. Short-time-delay element is optional. The Instantaneous element may be omitted.
 2. For 50 Hertz operation of the following breakers equipped with Ground Trip element, the Short-time pickup settings should not exceed the following maximums to avoid ground error signals possible due to sensor saturation.

Breaker Type	Sensor Tap Setting (Amperes)	Max. Pickup Setting (Amperes)
AK/AKR-50	1200	14,000
	1600	18,000
AKT/AKRT-50	1600	16,000
	2000	20,000

HI-RANGE INSTANTANEOUS "H" SUFFIX



MULTIPLES OF CURRENT SETTING, C

MULTIPLES OF CURRENT SENSOR TAP SETTING, "X"



**AKR LOW-VOLTAGE POWER CIRCUIT BREAKERS
 POWER BREAK AND MOLDED CASE CIRCUIT BREAKERS
 MICROVERSATRIP SOLID-STATE OVERCURRENT TRIP DEVICE**

GES 6193

X = Current Sensor Taps (Amperes)
 AKR-30 100, 150, 225, 300 or 300, 400, 600, 800
 AKR-50 300, 400, 600, 800, or 600, 800, 1200, 1600
 AKRT-50 800, 1200, 1600, 2000
 AKR-75 1200, 1600, 2000, 3200
 AKR-100 1600, 2000, 3000, 4000

**Long-time-delay, Short-time-delay and
 Special Instantaneous Units Time-current Curves**

Curves apply at 50/60 Hertz
 From -20 to +70C Programmer Ambient
 For 50 Hz operation see note above.

Programmer Set Points
Long Time
 Current Setting: 50, 60, 70, 80, 85, 90, 95 & 100% multiples of sensor current tap setting or rating (X). Pickup: 0.8, 0.9, 1.0 & 1.1 multiples of current setting (C). Delay Bands: 1, 2, 3 & 4.
Short Time
 Pickup: 1.5, 2, 2.5, 3, 4, 5, 7 & 9 multiples of current setting (C). For 50 HZ operation, see Note 2.
Time Delay Bands: Min, Int, and Max.
Instantaneous
 FIXED INSTANTANEOUS OVERRIDE "D" OPTION
 Pickup set at 15X for 200A through 2000A ratings, 13X for 2500A and 3000A Ratings

Power Break and Molded Case Circuit Breakers
 150, 200, 300, 400, 500, 600, 800, 1000, 1200, 1600, 2000, 2500, 3000 & 4000 AMPERES
 Voltage Rating 600 Volts AC