GE Consumer & Industrial - Electrical Distribution

Low-Voltage Power Circuit Breakers

Type AK/AKR

ECS™ Solid-state Overcurrent-trip Device

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

Curves apply at 50/60 Hz and from -20°C to 70°C programmer ambient

GES-6032

Programmer Set Points

Pickup

Long Time: 0.6, 0.7, 0.8, 0.9, 1.0 and 1.1 multiples of current sensor rating (X). (Settings higher than 100% of the frame size do not increase the continuous current rating)

Short Time: 3, 4, 5, 6, 8 & 10 multiples of Long-time pickup setting (L)

Instantaneous: 4, 5, 6, 8 & 10 & 12 multiples of Long-time pickup setting (L)

Time Delay Bands:

Long-time and Short-time: Max., Int. & Min.
MULTIPLES OF LONG-TIME PICKUP (L)

Long-Time Delay Bands

Maximum Total Cleaning Time

Minimum Total Cleaning Time

Short-Time Pickup Points

Maximum

Intermediate

Minimum

Instantaneous Pickup Points

Application Determines End of Curve

NOTE: Short-time delay is optional. Instantaneous can be omitted.