Permissible service current $I_r$ as a function of current transformer length ($L_6$), the surrounding oil and bus duct air temperature (acc. to dimension sheet 1ZCD061556)

**Abbreviation:**

- Type of insulation: RIP, Resin Impregnated Paper (Temp. class E)
- $T_{air} [\degree C]$: Air temperature inside the bus duct (daily mean)
- $T_{oil} [\degree C]$: Oil temperature (daily mean)
- $I_r [kA]$: Permissible operating current
- $f [Hz]$: 60

Bus conductor temperature max. 20 K above air temperature
Transformer lead temperature max. 10 K above oil temperature