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 1ZCD061826)

**Abbreviation:**

- **Type of insulation**: RIP, Resin Impregnated Paper (Temp. class E)
- **$T_{\text{air}}$ [°C]**: Air temperature inside the bus duct (daily mean)
- **$T_{\text{oil}}$ [°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