Permissible service current $I_r$ as a function of current transformer length (L6), the surrounding oil and bus duct air temperature (acc. to dimension sheet 1ZCD061820)

Abbreviation:

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