

LV HRC fuse-links / influence of ambient temperature

Influence of ambient temperature on the function of fuse-links in accordance with EN 60 269-1:1998 (Annex D)

D.1 Influence of an increase in ambient temperature

the manufacturer and the user taking into account all conditions of use.

in the rated current, but it may also cause an increase in the conventional fusing and non-fusing current and in melting times in the event of small overcurrents. The extent of the individual increases depends of the actual temperature and the design of the fuse-link. Relevant information must be obtained from the manufacturer.

D.3 Influence of fitting conditions

Fitting conditions such as:
 a) Fitting in a box or open fitting;
 b) Properties of the mounting area;
 c) Number of fuses fitted in a box;
 d) Cross-section and insulation of connections may influence the functional conditions and should therefore be taken into account.

D.1.1 On the rated current

Where fuses must operate at full load and for long periods of time at ambient temperatures whose average value exceeds the value specified in section 3.1, it may be necessary to reduce the nominal current. The reduction factor should be agreed between the

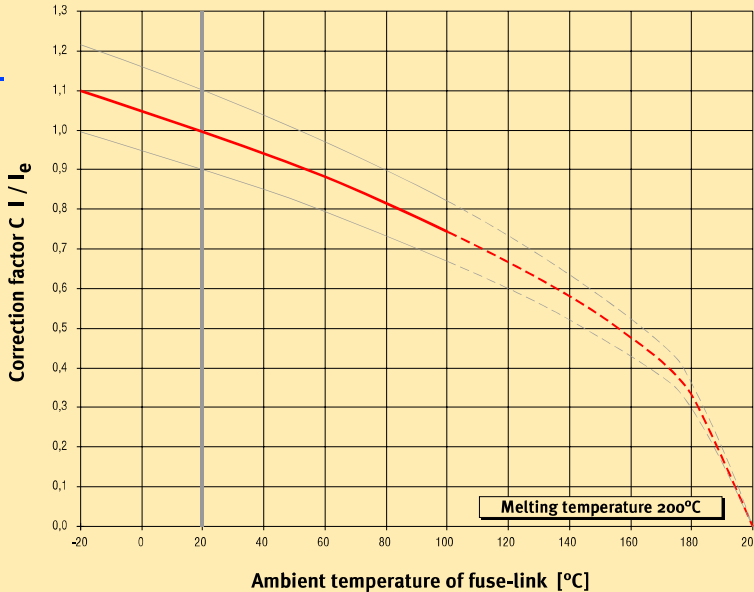
D.1.2 On heating

An increase in the average ambient temperature causes relatively low heating.

D.2 Influence of a decrease in ambient temperature

A decrease in ambient temperature below the value specified in section 3.1 may allow an increase

Influence of ambient temperature on the rated current of LV HRC fuse-links of the characteristic gG



- LV HRC fuse-link
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- LV type fuse-link
- LV type fuse-base
- Switch-disconnector-fuse (SASIL) LV HF system
- Switch-disconnector-fuses (SASIL) BS system
- Terminal
- LV HRC strip fusewire
- LV HF strip-type fuse-switch-disconnector
- LV HRC fuse-base
- LV HRC fuse switch-disconnector
- Busbar system component
- Consumer supply technology
- Distribution and instrument cabinet
- Electronic monitoring device
- Measurement data acquisition system
- Software