

Derating Curves 331000

Derating curves describe the correlation between the maximum permissible current load of the connector and the ambient temperature. There is always a base curve given (representing ideal, theoretical maximums) and a corrected curve (adjusting these data for safe, real-world application).

Here, examples of derating curves are shown, for medium and higher pole numbers, used with 0,22mm² wire cross sections. These are intended to provide guidance for various application scenarios. The derating curves of the 12-pin connectors are also applied when the number of poles is further increased. Derating curves of direct mating contacts are valid for chem. tin PCBs. Other influencing factors must always be taken into account, such as the cross-section and further specifications of the cable used, and all application-specific standards.

It is the user's responsibility to ensure that a selected Lumberg product is suitable for the intended application.

The following derating curves are valid for 331000.

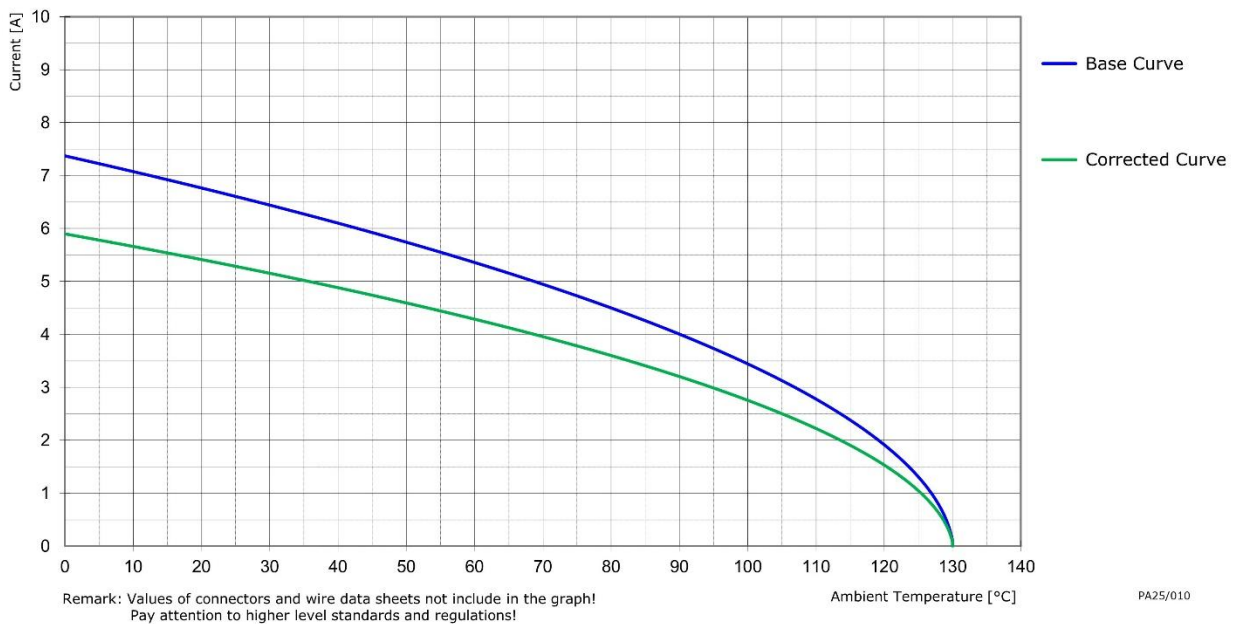
1.	Direct Mating	2
1.1.	331000 06	2
1.2.	331000 12	2

1. Direct Mating

1.1. 331000 06

Direct: 331000 06

PCB: FR4, 35 μm Cu double-sided, chem. Sn
Wire size 0.22 mm²



1.2. 331000 12

Direct: 331000 12

PCB: FR4, 35 μm Cu double-sided, chem. Sn
Wire size 0.22 mm²

