

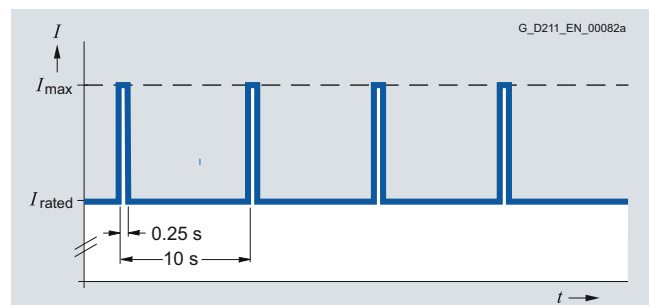
SINAMICS S120 drive system

Motor Modules

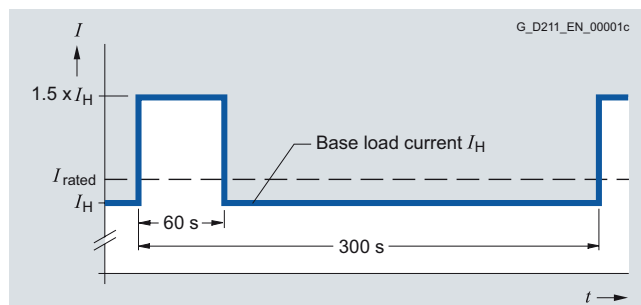
Single Motor Modules in booksize format

Characteristic curves

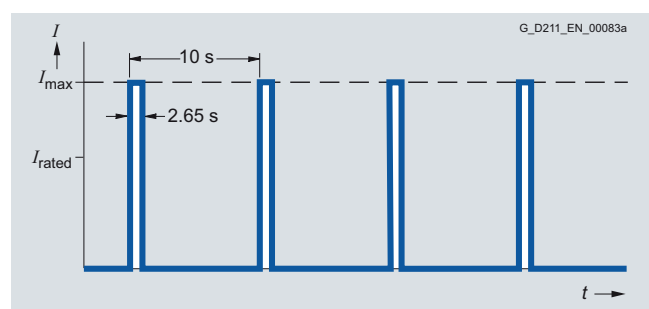
Overload capability



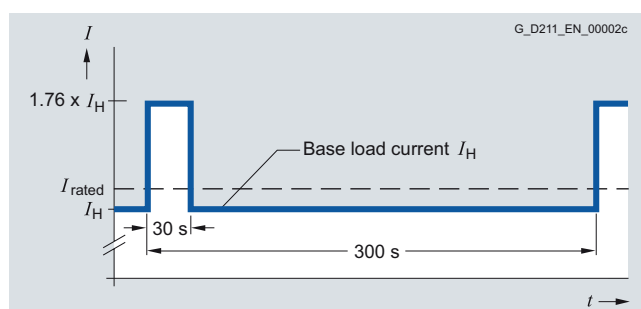
Load cycle with previous load



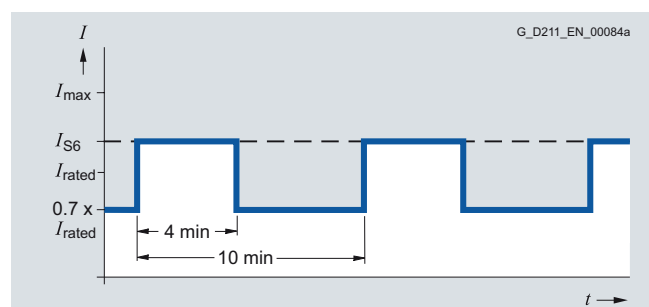
Load cycle with 60 s overload with a load cycle period of 300 s



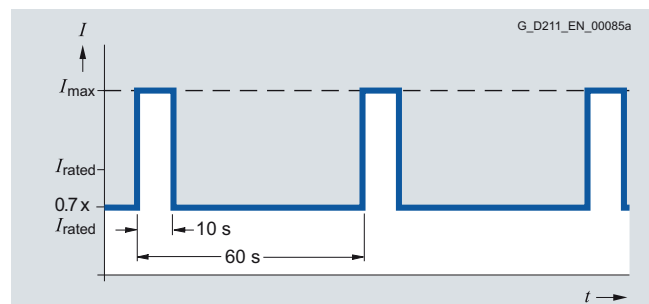
Load cycle without previous load



Load cycle with 30 s overload with a load cycle period of 300 s



S6 load cycle with previous load with a load cycle period of 600 s



S6 load cycle with previous load with a load cycle period of 60 s

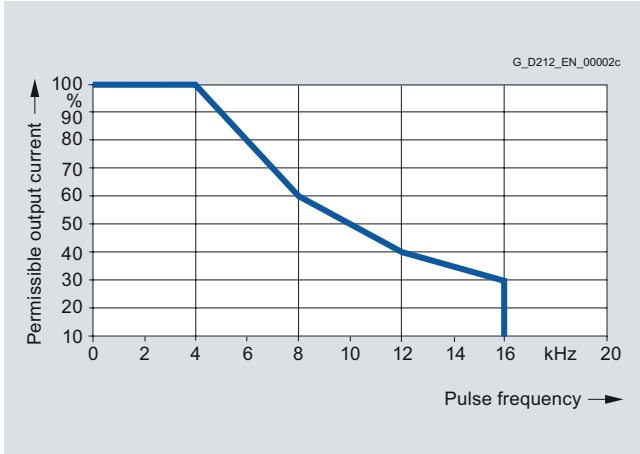
SINAMICS S120 drive system

Motor Modules

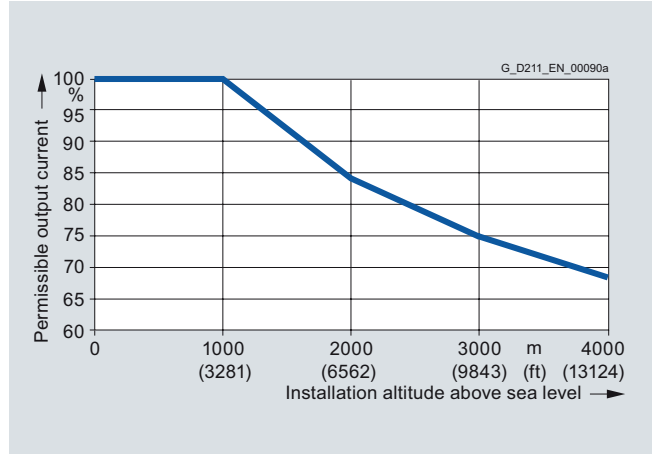
Single Motor Modules in booksize format

Characteristic curves (continued)

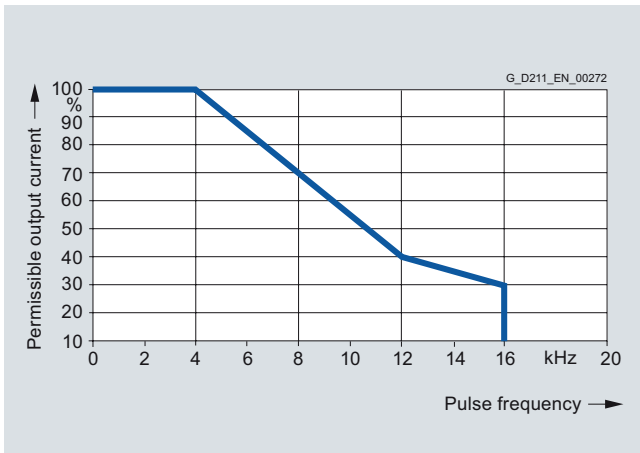
Derating characteristics



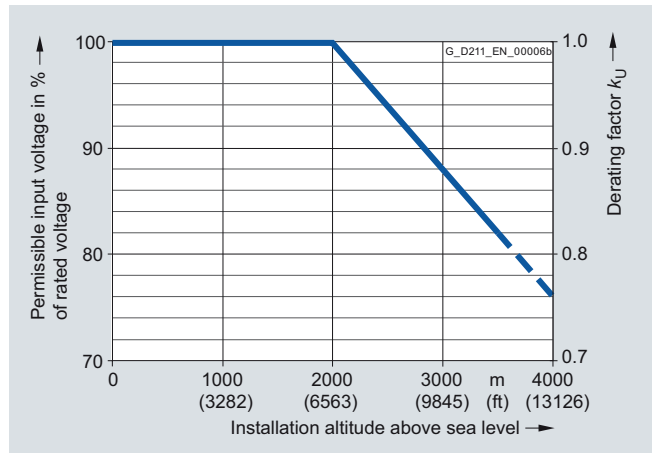
Output current dependent on pulse frequency
(rated current up to 132 A for Single Motor Modules in booksize format)



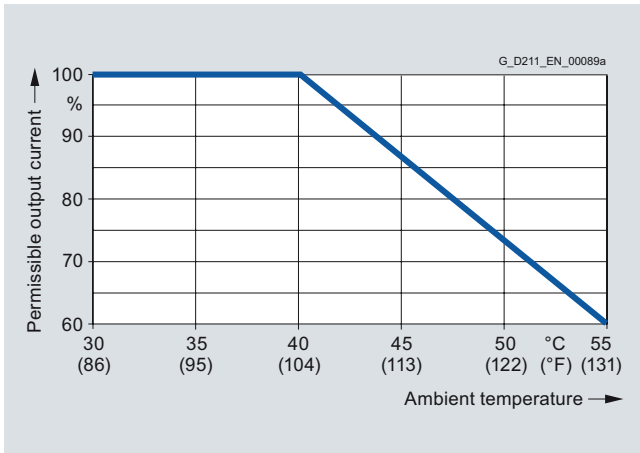
Output current dependent on installation altitude



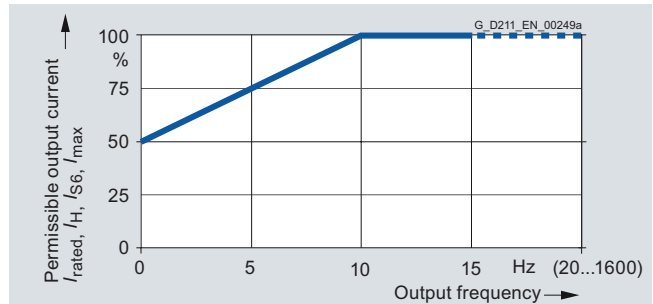
Output current dependent on pulse frequency
(rated current up to 200 A for Single Motor Modules in booksize format)



Voltage derating dependent on installation altitude



Output current dependent on ambient temperature



Current derating dependent on output frequency