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1 Contents

The decentral servo positioning controller DIS-2 48/10 is supported by firmware
version: 3.1 or higher

and parameterizing software DIS-2 ServoCommander™
version: 2.1 or higher

the increase of current limit via communication objects (KOs).

2 Introduction

Increased current limits of DIS-2 48/10 can be disconnected via the communication objects.

In this connection, both the limit value of nominal current and the limit value of maximum current are affected.

The limit value is raised as the following: for current value from $I_{nenn} = 10 A_{eff}$ to $I_{nenn} = 15 A_{eff}$ and for maximum current from $I_{max} = 32 A_{eff}$ to $I_{max} = 40 A_{eff}$.

Maximum value is provided for 2 seconds. The derating of performance starts at 50 °C compared with the default settings of current limits at 70 °C. See also chapter 11.14.5 in the user manual DIS-2 48/10.

3 Application

The increasement is parameterized via the transfer window as described in chapter 9.2.4 in the user manual for DIS-2 48/10.

Open transfer window:

Read out communication object 0x0031:

or: 0031

Possible answer of the controller: > 0031:0000XXXX

The increased current limits are disconnected by setting bit 24:

or: 0031:0100XXXX

Answer of the controller: > OK!

For analysis read out KO 0x0031 and control the sent bit

or: 0031

Answer of the controller: > 0031:0100XXXX

Following all settings need to be saved by entering **Save!** in the transfer window and need to be activated by entering **Reset!** in the transfer window.

Now the transfer window can be closed. The new current limits are available now and can be parameterized via the window *motor specifications* in DIS-2 ServoCommander™.