DIAS Drive

MDD 121-1

The MDD 121-1 is an axis module for two axes with a continuous sum current of 6 A at 230 V, 4 A at 400/480 V and a peak current of 18 A at 230 V and 12 A at 400/480 V.

Rated Data		
Maximum holding brake current per axis	A_{DC}	1
Holding brake voltage drop from the 24 V-BR to the output	V_{DC}	maximum 1 (at 1 A holding brake current)
Maximum total continuous current of axes 1 and 2 (heat sink) at 230 V	A_{RMS}	6
Rated output current of axis 1 (rms +/-3 %) at 230 V	A_{RMS}	3, maximum 5*
Rated output current of axis 2 (rms +/-3 %) at 230 V	A_{RMS}	3
Maximum total continuous current of axes 1 and 2 (heat sink) at 400 V/480 V	A_{RMS}	4
Rated output current of axis 1 (rms +/-3 %) at 400 V/480 V	A_{RMS}	2, maximum 3*
Rated output current of axis 2 (rms +/- 3 %) at 400 V/480 V	A_{RMS}	2
Maximum peak sum current of axes 1 and 2 at 230 V for maximum 5 sec..	A_{RMS}	18
Peak output current axis 1 for maximum 5 sec. (rms +/- 3 %) at 230 V	A_{RMS}	9, maximum 15**
Peak output current axis 2 for maximum 5 sec. (rms +/- 3 %) at 230 V	A_{RMS}	9
Maximum peak sum current of axes 1 and 2 at 400 V/480 V for max 5 sec.	A_{RMS}	12
Peak output current axis 1 for maximum 5 sec. (rms +/- 3 %) at 400 V/480 V	A_{RMS}	6, maximum 9**
Peak output current axis 2 for maximum 5 sec. (rms +/- 3 %) at 400 V/480 V	A_{RMS}	6
Power stage losses (multiply the average current of axis wit the factor), without ballast losses	W/A_{RMS}	10
Output frequency of the power stage	kHz	8
Regulator frequency	kHz	16
Intermediate circuit capacitance	µF	60
Connector Types		
Feedback (X12, X22)		D-Sub 25-pin (female)
Motor (X11, X21)		Phoenix GMSTB 2.5HCV/ 6-ST-7.62
Dimensions		
Height	mm	155
Width	mm	60
Depth with module carrier (without/with plugs)	mm	152/195
Weight	kg	1.2
Article Number		
		09-404-121-1
Normung		
		UL 508C, NMMS.E336350

*) The sum of both continuous currents of the axes is limited to the total continuous current, depending on axis 2
**) The sum of both peak currents of the axes is limited to the total peak current, depending on axis 2