

V23990-P849-A58/A59/C58/C59-PM

preliminary datasheet



6,0

4,0

2,0

0,0

DC link =

At

 $T_j =$

0

2

125

600

fsw from 2 kHz to 16 kHz in 2 steps

4

°C

V

6

8

10

12



2,0

1,0

0.0

DC link =

At

 $T_j =$

0

2

125

600

fsw from 2 kHz to 16 kHz in 2 steps

4

°C

٧

6

8

fsw=2kHz

14 Tout (A) 16

fsw=2kHz

16

14 Iout (A)

12

10

16



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Figure 7

Typical available 50Hz output current as a function of Mi*cosfi and switching frequency $I_{out} = f(f_{sw}, Mi*cosfi)$





Th from 60 °C to 100 °C in steps of 5 °C

Figure 8

Typical available 0Hz output current as a function of switching frequency $I_{outpeak} = f(f_{sw})$



DC link = 600,00 V Th from 60 °C to 100 °C in steps of 5 °C



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Figure 11

Typical available overload factor as a function of motor power and switching frequency $$P_{\text{peak}}/P_{\text{nom}}=f(P_{\text{nom}},f_{\text{sw}})$$



At

$T_j =$	125	°C		
DC link =	600	V		
Mi =	1			
cosfi =	0,8			
fsw from 1 kHz to 16 kHz in 2 steps				
Th =	90	°C		
Motor eff = 0,85				



Mi = 1

cosfi = 0.80

fsw from 2 kHz to 16 kHz in 2 steps



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Datasheet Status	Product Status	Definition
Target	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice. The data contained is exclusively intended for technically trained staff.
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