

Danfoss Adapter Driver Board DFA2-01

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SURE GRIP
CONTROLS INC.

DFA-01 Electrical Specifications

Symbol	Parameter	Min	Typ	Max	Unit	Notes
DFA Power Supply:						
V_S	Supply Voltage	6	12 or 24	28	V	Reverse Polarity and Transient Protected (*)
I_{SO}	Quiescent Supply Current	25	27 or 30	35	mA	
Input Control Device Power Supply:						
V_{OUT}	Input Control Device Supply Voltage	4.75	5	5.25	V	
I_{OUT}	Input Control Device Supply current			30	mA	
Control Signal Inputs:						
$V_{IN1,IN2}$	Control Signal Input Voltage	0.8 (+/-0.05)		4.2 (+/-0.05)	V	Inputs Transient Protected
$V_{IL(OFF)}$	Low Safety Shut-down Input Voltage		≤ 0.6		V	Input Under Voltage, Cycle Power to Reset
$V_{IH(OFF)}$	High Safety Shut-down Input Voltage		≥ 4.4		V	Input Over Voltage, Cycle Power to Reset
Control Signal Output:		Min	Neutral	Max		
V_{OUT1}	Proportional Control Signal Output Voltage	25 (+/-5)	50 (+/- 2)	75 (+/- 5)	% V_S	
I_{OUT1}	Control Signal Output Current			10	mA	
Enable Signal Output:						
V_{EN1}	Enable Signal Output Voltage	0	V_S	V_S	V	
I_{EN1}	Enable Signal Output Current			2.5	A	
Environmental Specifications:						
Operating Temperature Range		-40 to +70			°C	

(*) Input transient protected up to +/- 48.4VDC @ 11.3A for pulse widths ≤ 1 ms.