TECHNICAL DATASHEET

ELECTRICAL SPECIFICATIONS Item No. 999.004 / Page 1 / 3 Print Date 05.09.2022 10:51

Master-15X.xx

300 Watt, non isolated, single output buck converter

All parameters defined on Ta=25°C, IoNom = 20.0 ADC and UiNom = 48VDC

parameter	unit	typ
Input peak voltage	VDC	125.00

THERMAL CHARACTERISTICS

parameter	min to max typ	
Ambient temperature range	-40°C / +85°C	

COMMUNICATION INTERFACE

parameter	unit	fulfilled	min to max
Option Enable (connect to Vin for operation)		✓	

SPECIALS

parameter	unit	conditions	typ	
Efficiency at medium loads	%	0.5loNom	95.00	
Efficiency at full loads	%	loNom	95.00	

All technical and general information is provided in all conscience. However, completeness and accuracy cannot be guaranteed. Demke recommends to fully test the product in its determined application. Due to permanent improvements to our products, we reserve the right to change specifications at any time and without prior notification and without obligation to update products already supplied. This is a component for professional equipment manufacturers. Read the safety and installation instruction for proper use. Safety aspect and EMC-aspect must be considered in the end application.



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INPUT

parameter	unit	conditions	min	typ	max
Input voltage range	VDC	loNom	16	48	100

OUTPUT

parameter	unit	conditions	min typ max
Output voltage	VDC	loNom	13.8
Minimum required load to obtain the specified output voltage	%	UiNom	0
Output voltage overshoot at initial switch-on	%	loNom	overdamped
Rated output power	W		300

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MECHANICAL

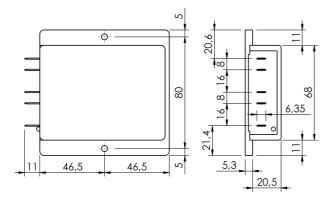
parameter	unit		
Overall dimensions	mm	90x90x26	
Weight	g	335	

Mechanical dimensions and Pin configuration

All dimensions in mm

Connector type: Flat pin plug 6.3mm

Case: FMC 90x90x26



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