



AlphaFontes

PRODUCT
DATASHEET

DC / DC CONVERTER ISOLATED
INPUT: 36 TO 60VDC
OUTPUT: 24VDC / 1A 24W
WITH DIN TRAY BOX

PART NUMBER:100.0152



AlphaFontes

DESCRIPTION OF OPERATION

DC / DC CONVERTER ISOLATED INPUT 36 TO 60VDC
24VDC / 1A 24W OUTPUT WITH DIN TRAY BOX

PART NUMBER: 100.0152

HIGH EFFICIENCY

SHORT-CIRCUIT PROTECTION

PROTECTION AGAINST TENSION PINS

EMI PROTECTION

PROTECTION AGAINST RISK OF ELECTRIC SHOCK

ELECTRICAL INSTALLATION: EFFECTS ALL CONNECTIONS ACCORDING TO THE CONNECTION DIAGRAM, FROM THIS MANUAL.

OPERATION: CHECK ALL CONNECTIONS AND ENERGIZE THE CONVERTER. The LED OPERATING INDICATOR WILL TURN ON INDICATING THE PERFECT OPERATION OF THE SAME.



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ENGINEERING DOCUMENT
DIMENSIONS/ PICTURE

N° DO DOC.
05.0013

REVIEW

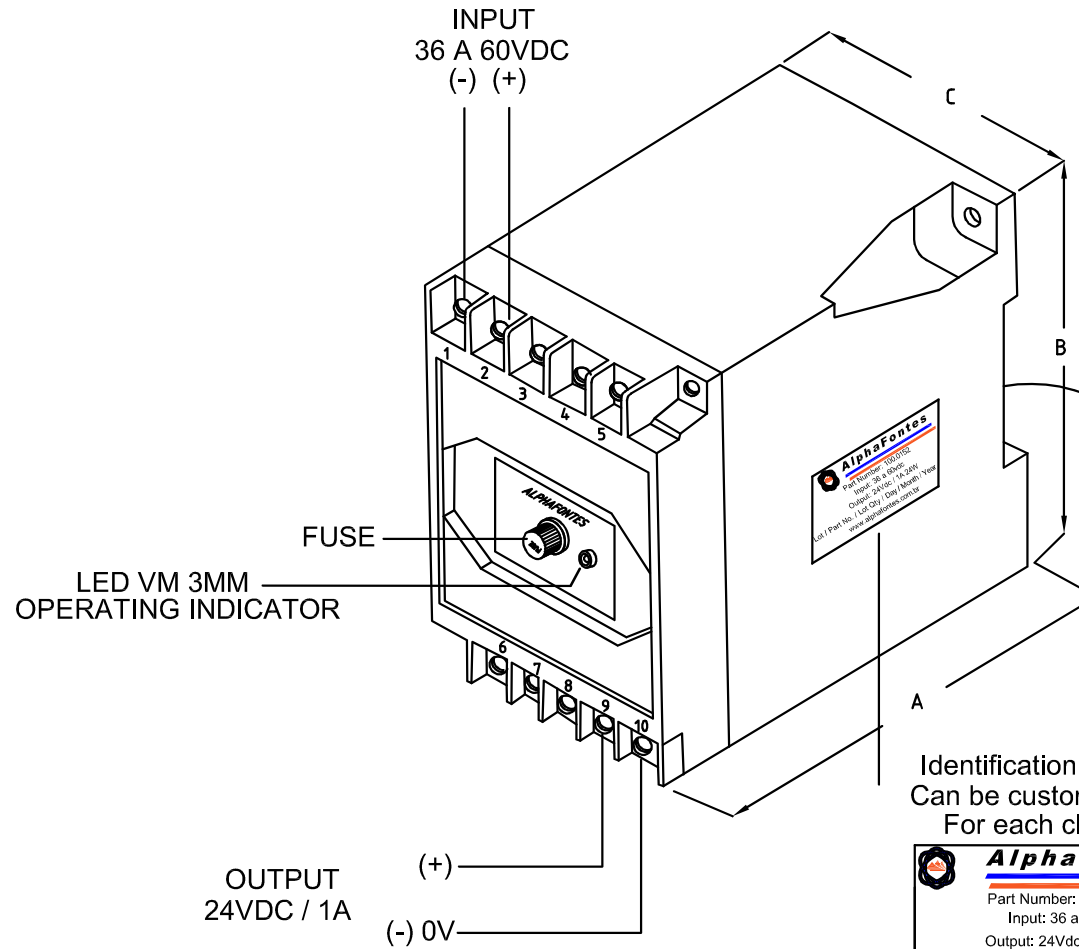
01

DATE

13/04/
2016

PARTNUMBER: 100.0152

DESCRIPTION: DC / DC CONVERTER ISOLATED INPUT 36 TO 60VDC OUTPUT 24VDC / 1A 24W

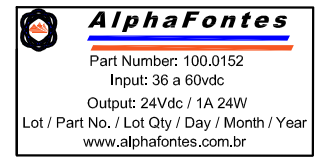


WITH POLARITY INVERSION PROTECTION
IN CASE OF THE CUSTOMER INVERTER(+) AND (-)INPUT
THE SAME IS PROTECTED BY AVOIDING BURNING
JUST PUT THE (+) AND (-) CORRECT POLARITY
AND IT WILL REST

WITH PROTECTION OF SHORT ON OUTPUT

BASE FOR PASSAGE
OF THE DIN 35mm TRACK

Identification label
Can be customized
For each client



DC / DC CONVERTER ISOLATED
ENTRANCE AND EXIT
ISOLATED BETWEEN

DIN RAIL FASTENING BOX

Dimensions mm and (inches): Tolerance between dimensions $\pm 0.5(0.019)$ mm
Tolerance $\pm 0.3(0.011)$ mm

A	B	C
108.0 (4.252)	75.0 (2.952)	55.0 (2.165)

Product Weight: 270g

Din Box 10T Black Color



AlphaFontes

WARRANTY TERM

All ALPHAFONTES products are guaranteed against manufacturing defects. This warranty lasts for 2 years, from the date of billing. Are repaired or replaced products that have proven defective in manufacturing During the period of validity of the guarantee, and for this, they should be sent to the Department of ALPHAFONTES, at the risk and expense of the Patron.

Except as indicated above, no other warranty shall be implied or express, and the manufacturer shall not be liable for any loss or damage caused directly or indirectly by the use of the equipment for the intended purpose.

This warranty is void if: the product is used outside the technical specifications contained in this instruction manual; Signs of tampering with the switched source are identified and / or replacement of components or parts by non-original ones occurs.

Caution: The layout or layout of the font may change
To adapt to the new standards or improve it but
The output voltage and current remain the same.

PART NUMBER: **100.0152**BOARD: **600.0086**REVIEW: **00**EMISSION: **001**DATE: **13/04/2016**

DESCRIPTION:

DC / DC CONVERTER ISOLATED INPUT 36 TO 60VDC OUTPUT 24VDC / 1A 24W WITH DIN TRAY BOXTECHNICAL DATA
PARAMETERS

INPUT VOLTAGE	36 TO 60Vdc	INSULATION RESISTANCE	> 1 GΩ TO/ 1000 VDC	
INPUT CURRENT	≤ 1,143 A	DIELECTRIC STRENGTH LEAKAGE CURRENT	mA TO/	
INPUT FREQUENCY	43~67Hz		≤ 0,8 mA TO/ 1500 VAC	
			≤ 400 μA TO/ 500 VAC	
OUTPUT QUANTITY	1	HUMIDITY	0 ~ 90% NO CONDENSATION	
		TEMPERATURE OF OPERATION	0 ~ 60°C	
OUTPUT VOLTAGES / OUTPUT CURRENT	MAIN: 24 VDC / 1 A	COOLING	NATURAL CONVECTION	
	AUXILIARY 1:	CASE MATERIAL	ABS	
	AUXILIARY 2:	PROTECTION AGAINST SHORT CIRCUIT	YES	
	AUXILIARY 3:	PROTECTION AGAINST LOADING	YES	
ACCURACY OF OUTPUT VOLTAGES	AUXILIARY 4:	PROTECTION AGAINST ON VOLTAGE	YES	
	MAIN: ± 2 %	AUTOMATIC RESET	YES	
	AUXILIARY 1:	INPUT FUSE	YES	
	AUXILIARY 2:	INPUT FILTER	YES	
RIPPLE RMS / PEAK TO PEAK OF THE OUTPUTS	AUXILIARY 3:	TYPICAL INCOME	> 70,0 %	
	AUXILIARY 4:		< 0,4 %	
	PRINCIPAL : ≤ 10 mVAC / ≤ 12 mVpp		LINE ADJUSTMENT NO CHARGE	< 0,1 %
	AUXILIARY 1:		LINE ADJUSTMENT WITH LOAD	< 0,1 %
SPIKE OF THE OUTPUT	AUXILIARY 2:	DIMENSIONS C x L x H mm(inch)	108.0(4.252) x 55.0 (2.165) x	
	AUXILIARY 3:		75.0 (2.952)	
	AUXILIARY 4:		WEIGHT OF THE PRODUCT (g)	270g
	PRINCIPAL : 80 mVpp			
MAXIMUM POWER OF THE MAIN OUTPUT	24 w			
KEY FREQUENCY	66,6 KHz			

2 YEAR WARRANTY

AS PART OF THE COMPANY POLICY OF CONTINUED PRODUCT IMPROVEMENT, SPECIFICATIONS MAY CHANGE WITHOUT NOTICE. OUR SALES OFFICE WILL BE PLEASED TO HELP YOU WITH THE LATEST INFORMATION ON THIS PRODUCT RANGE AND THE DETAILS OF OUR FULL DESIGN AND MANUFACTURING SERVICE. ALL PRODUCTS ARE SUPPLIED TO OUR STANDARD CONDITIONS OF SALES UNLESS OTHERWISE AGREED IN WRITING.





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Site: www.alphafontes.com.br
E-mail: vendas@alphafontes.com.br
Phone: 55 (11) 4253-1307
Address.: Rua Ana Maria, 166 - BL.10-01
Zip Code.: 09981-470
Serraria - Diadema - SP