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A.T.I.B.
Elettronica

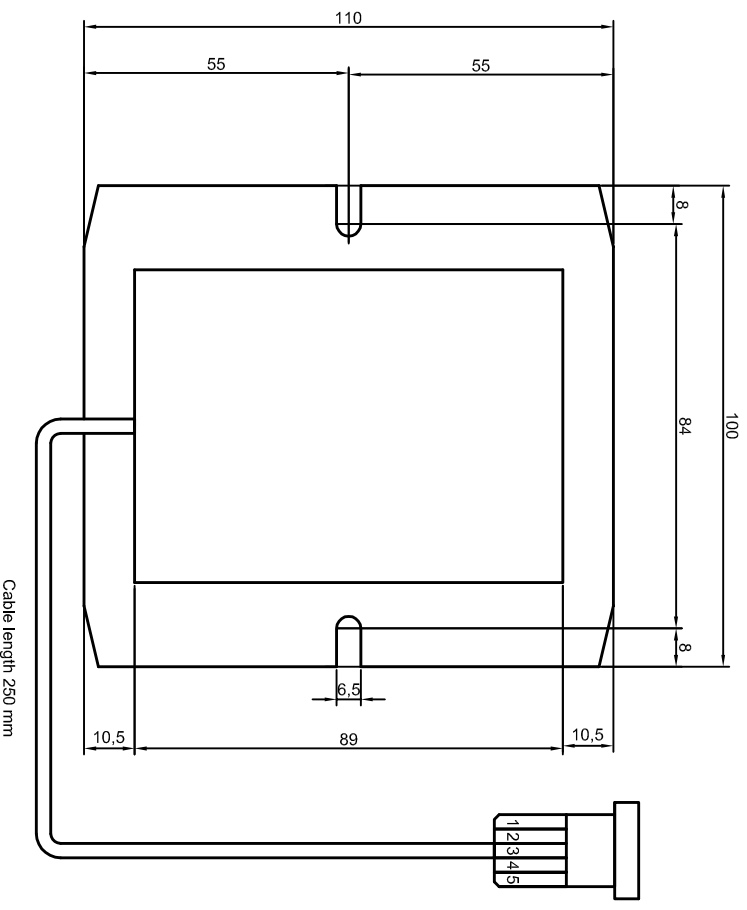
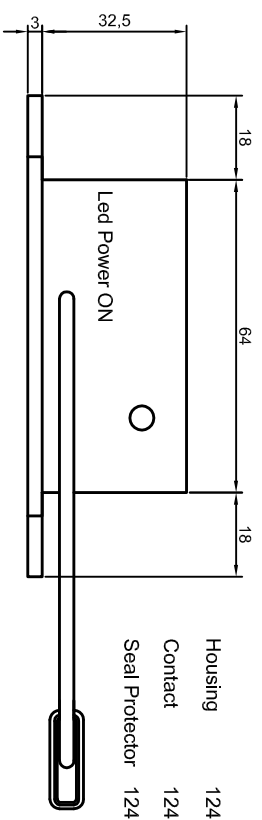
2 Denominazione
DC/DC Converter 12W/100
Specifiche tecniche

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6 n°disegno
DC12W100-Rev2

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8 Scala
9-nov-04

Technical Data Sheet DC/DC converter 12W/100

Housing 12453487 (Amp 282107-1)
Contact 12451944 (Amp 282109-1)
Seal Protector 12452181 (Amp 281934-2)



Parameter	Min.	Max.	Unit	Test Condition
Input Voltage	30	150	V	
Output Voltage	11.5	12.5	V	
Output Current	0	8.3	A	Constant
Efficiency	88		%	V _{in} =80V, I _{out} =8.3A
Static load regulation		500	mV	I _o =0.8, V _{in} =80V T=25°C
Static line regulation		200	mV	V _{in} =30-150V, I _{out} =8.3A T=25°C
Output short circuit protection				Yes
Output current limit	9.5	11.0	A	V _{in} =30-150V, V _{out} =12V
Enable Voltage (ENABLE)	+20	+150	V	Referred to "IN-"
Input reverse polarity protection				Yes
Output series diode				Yes
Output crowbar protection		15	V	double crowbar optional
Led power ON				Yes
Thermal protection		90	°C	Yes
External temperature range	-20	+55(*)	°C	
Storage temperature range	-40	+70	°C	
Protection degree				IP65 (Connector excluded)
Directive reference	89/336/CEE - electromagnetic compatibility (EMC) 73/23/CEE - low-voltage			
Standards	CEI EN 61204: 2001-07 UNI EN 12895: 2002-03			

(*) Important:
The DC/DC must be set on an additional metallic plate (minimum area 120 cm², thickness 3mm)

Position	Colour	Function
1	BLACK	IN+
2	BLUE	IN-
3	RED	OUT+
4	BLUE	OUT-
5	ORANGE	ENABLE

L'ingresso ENABLE deve essere connesso al polo positivo della batteria, tipicamente dopo il contatto chiave