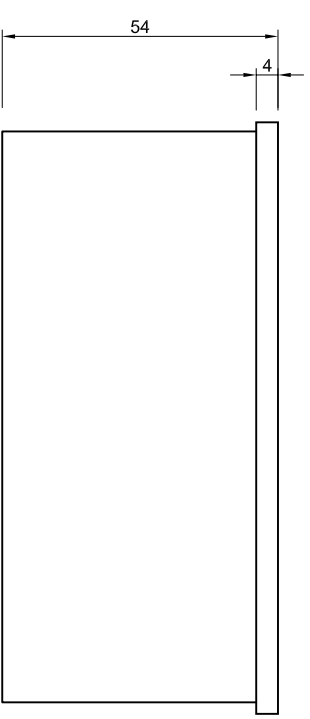
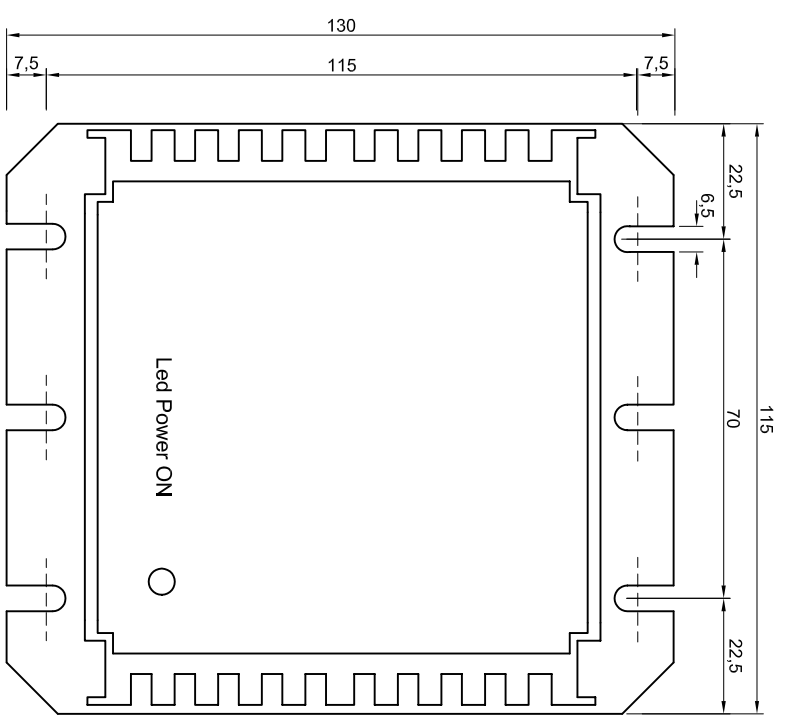


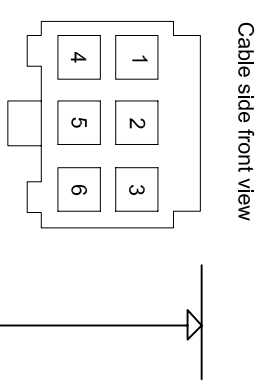
5  
Approved by

6  
Technical Data Sheet DC/DC converter 24W/300



Parameter	Min.	Max.	Unit	Test Condition
Input Voltage	30	130	V	
Output Voltage	23,5	24,5	V	
Output Current	0	12,5	A	Constant
Efficiency	89		%	V <sub>in</sub> =80V , I <sub>out</sub> =12,5A
Static load regulation		400	mV	I <sub>o</sub> =0-12,5A , V <sub>in</sub> =80V T=25°C
Static line regulation		200	mV	V <sub>in</sub> =30-130V T=25°C I <sub>out</sub> =12,5A
Output short circuit protection				Yes
Output current limit	13	16,5	A	V <sub>in</sub> =30-130V V <sub>out</sub> =24V
Enable voltage	+20	+130	V	Referred to "IN-"
Input reverse polarity protection				Yes
Output series diode				Yes
Output crowbar protection		30	V	Double crowbar optional
Led power ON			°C	Yes
Thermal protection		90	°C	Yes
External temperature range	-20	+55	°C	
Storage temperature range	-40	+70	°C	
Protection degree				IP65 (Connector excluded)

Position	Colour	Function
1	BLACK	IN+
2	BLUE	IN-
3	RED	OUT+
4	BLUE	OUT-
5	ORANGE	ENABLE
6		not connected



Molex Connector  
Code 19091069  
Cable length  
150 mm

The input ENABLE must be connected to positive battery voltage, typically after the key switch