

ERTMS BTM DC/DC Converter 150W

24 Vdc - multiple outputs

Meets EN50155, EN 50121



TECHNICAL CHARACTERISTICS

Input voltage	24 Vdc (16-40 Vdc; 14 Vdc 100 ms)
Input current	<8A @ nominal Vin
Inrush current	<8A @ nominal Vin
Withstand voltage (from input to output)	1000 Vac / 1450 Vdc
Withstand voltage (from input to ground)	1000 Vac / 1450 Vdc
Withstand voltage (from output to ground)	1000 Vac / 1450 Vdc
Output voltages	Section a: $\pm 15/+5/+24$ Vdc Section b: $\pm 15/+5$ Vdc Section tx: +24 Vdc
Ripple & Noise	< 100 mVpp
Power	150 W
Hold up time	20ms 24Vout tx – 40ms a/b
Overcurrent protection	Yes
Overvoltage protection	120% rated voltages
Overtemperature protection	Yes
Battery reversal protection	Yes
Efficiency	> 89% at nominal Vin
Operating temperature	-40 °C + 85 °C
Storage temperature	-40 °C +100 °C
Relative umidity	$\leq 95\%$ non condensing
Cooling	Natural convection
Dimensions	238 x 202 x 101 mm.
Weight	3,5 Kg.