



Specification of the CURACC

Rated current	Up to 6000 A (bipolar)
Permissible over current	115 % of rated current (10 s)
Short-circuit current	1000 % of rated current (0.1 s)
Current transfer ratio	Rated current/ 1
External burden maximum/ minimum value	2 Ω / 0 Ω
Output current at rated current	1 A
Output impedance	> 10 M Ω
Output slew rate (10-90%)	> 200 A/ ms
Small signal-bandwidth (-3 dB, 5% signal)	0...500 kHz
Ripple (rms) related to rated output current	0...10 Hz
	0...100 Hz
	0...10 kHz
	0...50 kHz

Offset stability related to rated output current (1 Ampere)

• Initial (at 25 °C)	< 5 ppm
• Versus temperature	< 0.05 ppm/ K
• Versus time	< 0.05 ppm/ month
• Versus supply voltage	< 0.1 ppm/ V

Linearity error related to the actual output current

Signalling	< 2 ppm
Output valid	LED's + relay contacts
Zero current detection	Up to 1.15 rated current
Ambient temperature Measuring Head	At 0.1 % of rated current
Ambient temperature Electronics Module	0...55 °C
On board supply load at +/- 15 VDC	10...40 °C
Auto reset after overload. Starts with load at power on	\pm 10 mA