



Specifications of the MACC-plus with current output

Rated current (In)	0 - 600 A bipolar
Overload current	160 % of In (10 s)
Short-circuit current	500 % of In (0.1 s)
Current transfer ratio	1000:1
Rated output current at In	0.6 A
Impedance	> 10 MΩ
Slew rate (10-90%)	> 200 A/ms
Small signal bandwidth (5% of In)	0...250 kHz
Ripple (rms) related to rated output current	0...10 Hz < 0.5 ppm
	0...10 kHz < 1 ppm
	0...50 kHz < 2 ppm
Offset error related to the rated output current	
• Initial (at 25 °C)	< 3 ppm (adjustable to zero)
• Versus temperature	< 0.15 ppm/K
• Versus time	< 0.3 ppm/month
• Versus supply voltage	< 3.5 ppm/V
Linearity error related to the actual output current	
Output valid signalling	< 4 ppm
Ambient temperature range	Green LED + active low signal (2 mA)
Test voltage primary to housing / electronics to housing	0 ... 50 °C
Supply voltage / current at In	2.5 kVrms, 50 Hz, 1 min. / 500 VDC
Induced voltage into a 1-turn primary bus bar	+/- 15 VDC ± 625 mA
Minimum distance to return bus bar	< 0.05 mVrms
Dimensions /hole diameter /weight	50 mm
Housing / insulation of hole	112 x 82 x 45 mm/ 25.5 mm/ 0.5 kg
	Aluminium/ P.O.M.

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