

ULTRASTAB 867-400I CURRENT TRANSDUCER

SPECIFICATIONS	
Primary current I(max):	0-400A
Polarity	Bipolar
Output current (max)	0-200mA
Overload capacity:	
Normal operation	100%
Basic function maintained	110%
Fault	500% (0.1s)
External Burden resistor (incl. cable)	
Max.	10 Ω
Min.	0 Ω
Current transfer ratio	2000:1
Linearity	<3ppm
<u>DC-accuracy :</u>	
Offset:	
Initial (output current)	<30ppm
vs. temperature	<0,5ppm/K
vs. time	<1ppm/mth
vs. supply voltage	<0.5ppm/%
Output noise (RMS):	
DC - 10 Hz	<0.5ppm
DC - 100 Hz	<0.5ppm
DC - 1 kHz	<1ppm
DC - 10 kHz	<3ppm
DC - 50 kHz	<5ppm
Feedback noise (RMS), DC-50kHz (measured on the primary current cable - one turn)	<30 μ V
Busbar free zone to be within linearity specification:	
Cylinder shape (diameter x length)	\varnothing 150 x 150 mm
Slew rate (10-90%)	>8kA/ms
Bandwidth (5R Burden Resistor, 3dB, small signal 5%)	DC to 100kHz
Test voltage (pin 4 - ground to \varnothing 25 Busbar)	5kV AC

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Operating temperature	10-50°C
Input power requirement	±15V, <±5% ±50mA + output current
Mechanical dimensions Weight	77 x 93 x 43 mm ø 26mm hole approx. 0.5 kg

All ppm figures refer to max. output.

Specifications are subject to change without notice.

We recommend that a shielded output cable and plug are used to ensure the maximum immunity against electrostatic fields.

9-pole D-SUB (Male)

Pin configuration:

Pin 1	Current return
Pin 2	(N.C.)
Pin 3	Normal operation status - opto coupler -
Pin 4	GND
Pin 5	-15V
Pin 6	Current output
Pin 7	(N.C.)
Pin 8	Normal operation - opto coupler +
Pin 9	+15V
House	Electrostatic shield