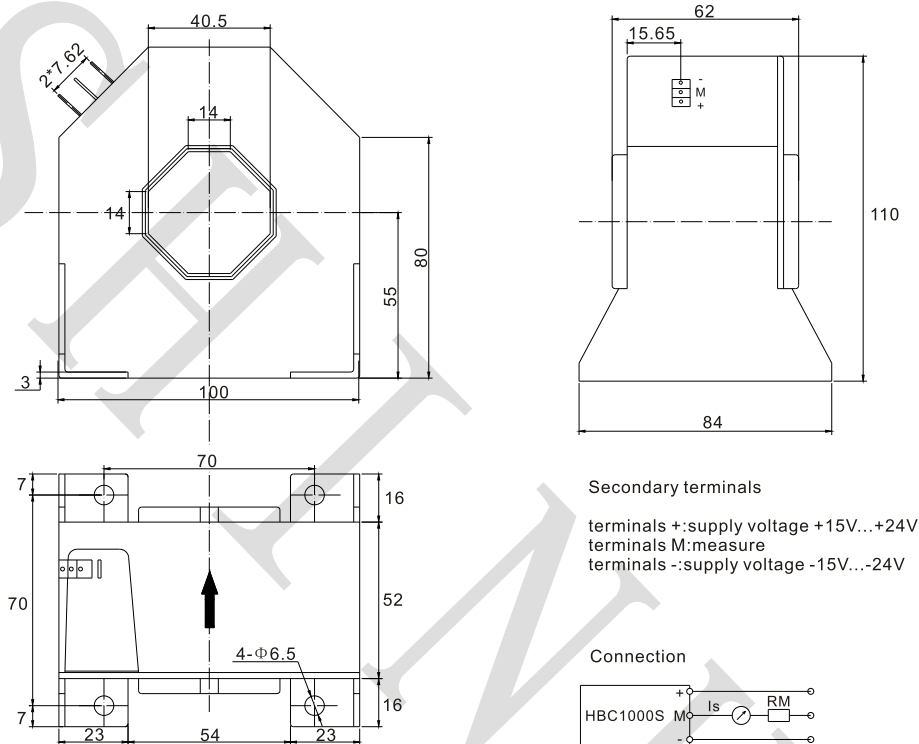


CUSTOMER		PART NO:	HBC1000S
CUSTOMER P/N		NAME	Current Sensor
DATE	2010-12-10	HUMIDITY	48% (25 °C)

MUTING DIMENSIONS



Closed loop (Compensated) current transducer using hall effect,
 Insulated plastic case recognized according to UL94-V0(PCB mounted)

ELECTRICAL DATA

Nominal Current	1000	A
Measuring range	0...±1800	A
Turns ratio	1:3000	
Measuring resistance (Ta=70deg)	with ±15V@±1000A max-22(max)	Ω
	@±1800A max-5(max)	Ω
Supply voltage	±15	V
Nominal analogue output -secondary current	333	mA
Accuracy at +25 °C	±0.4	%
Current consumption	25+ output current	mA
RMS Voltage for AC isolation 50Hz 1 min	6	KV
RMS rated Voltage	safe seperation-1750	V
	Basic isolation-3500	
PRPARED BY		APPROVED BY



SPECIFICATION FOR APPROVAL



CUSTOMER		PART NO:	HBC1000S
CUSTOMER P/N		NAME	Current Sensor
DATE	2010-12-10	HUMIDITY	48% (25 °C)

Accuracy Dynamic Performance

Zero offset current Ta= 25 °C	$\pm 0.7\text{max}$	mA
Thermal drift of offset current	-10°C~+70°C, $\pm 0.4\text{max}$	mA
Response time	<1	us
Linearity	≤ 0.1	%FS
Bandwidth(-3dB)	DC...150	KHz
di/dt	>100	A/us

General Data

Secondary internal coil resistance	Ta=70°C 17 Ω	Ω
Operating temperature	-25~+70	°C
Storage temperature	-40~+85	°C
Mass	600	g

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