

Flexible Coils Datasheet

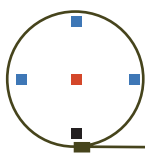
The eTactica Flexible Coil products are designed to be used with the eTactica EM-FC, a DIN rail, three phase, Modbus energy meter.

Products

PRODUCT CODE	FC-1000	FC-2000	FC-3000
COIL DIAMETER	120mm	160mm	185mm
RATED CURRENT	1000A	2000A	3000A

Specifications

OUTPUT SIGNAL	333mV AT FULL SCALE
POWER SUPPLY	12V DC +- 10%
ACCURACY	<0.5% TYPICAL (OVER 20% TO 120% OF RANGE)
LINEARITY (OVER 10% TO 100% OF RANGE)	+ - 0.2% OF READING
BANDWIDTH (-3DB)	1Hz TO 1MHz
INSTALLATION CATEGORY	CAT III 300V
OPERATING TEMPERATURE	-20°C TO 70°C
LEAD LENGTH	2m
MATERIAL	UL 94 V-0 RATED
CONDUCTOR POSITION SENSITIVITY	+ - 1% OF READING, SEE IMAGE



CONDUCTOR POSITION	TYPICAL ACCURACY
■ ADJACENT TO COIL EDGE	< 0.8%
■ IN THE CENTER	< 0.2%
■ ADJACENT TO JOINT	< 1%