

Split-core AC Current Transducer

RMS - series

勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)



Features

- $\Phi 16 \sim \Phi 36$ / 5A~500A Input
- Commercial Power Source, 50/60Hz Distorted wave Input can be detected as true RMS.
- Direct Output : 4~20mA DC signal
- Easy Installation
- The 2-wire transmission method (Loop powered) using the power supply (20V~30V) of Data Logger or PLC etc.
- UL94-V0 Compliance, RoHS Correspondence

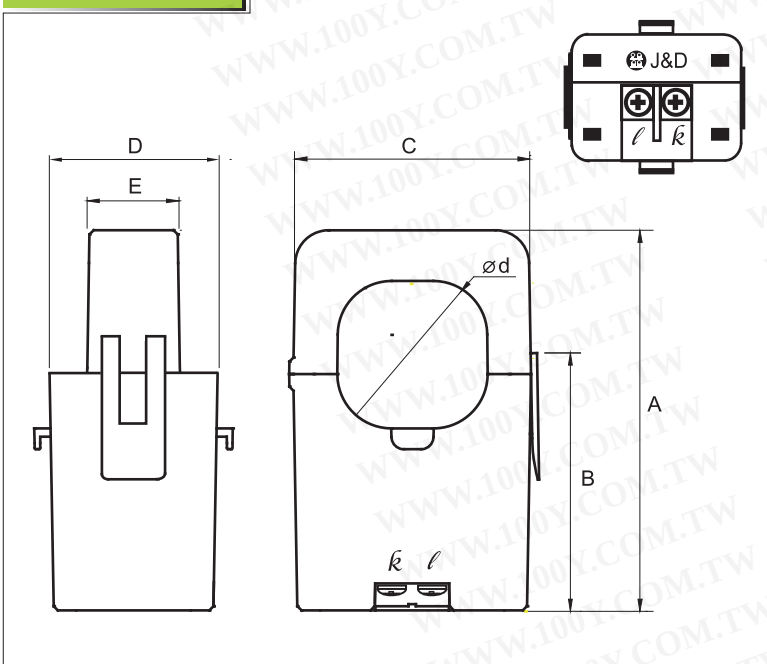
Applications

- Directly connect to PLC
- Sensor motor stalls and short circuit
- Industrial instrumentation
- Process control loops
- Phase fired controlled heaters

Specification

Std. Model	$\Phi 16$					$\Phi 24$	$\Phi 36$
	JC16F5-RMS	JC16F10-RMS	JC16F25-RMS	JC16F50-RMS	JC16F100-RMS	JC24S250-RMS	JC36S500-RMS
Rated Current (50/60Hz)	5Arms	10Arms	25Arms	50Arms	100Arms	250Arms	500Arms
Output	4~20mA DC / 0 ~ Rated Current (Load resistance : $\leq 600\Omega$ at P/S : 24V)						
Max. Allowable Current	120% (Continuous), 150% (1min.)						
Accuracy / Linearity	$\pm 2\%$ FS Dynamic Range 1:100 at 50/60Hz Sinewave						
Control P/S	20-30V DC (25mA Max.)						
Output Ripple	Within 2% of Output Current						
Response time	100msec.						
Insulation Resistance	DC 500V / $100M\Omega$ or more (between Core and Output terminals)						
Dielectric Strength	AC 2000V / 1 min. (between Core and Output terminals)						
Latch / Unlatch	about 150 times						
Output Terminals	2 $\times$ M3 Screw, with Terminals cover						
Tightening Torque	0.3N*m						
Weight	75g					200g	290g
Operating Conditions	$-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$, $\leq 85\%\text{RH}$, No condensation, In-house & Any direction installable						
Storage Conditions	$-30^{\circ}\text{C} \sim +90^{\circ}\text{C}$, $\leq 85\%\text{RH}$, No condensation						

Dimension



Unit : mm

Std. Model	A	B	C	D	E	Φd
JC16F-RMS	55	41	29.5	31	19	16
JC24S-RMS	74.5	52	45	34	22	24
JC36S-RMS	91	62	57	40.5	22	36

Connection Diagram

