

## **FEATURES**

- AC sinusoidal measurement
- Average responding
- Voltage output
- Self-powered
  transducers
- Panel mounting
- Jumper selectable ranges

# RS PRO Self-Powered Current Transducer

RS Stock No.: 2100645, 2100643, 2100640



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.



#### **Product Description**

- Transducer for the electronic measurement of AC sinusoidal waveform
- With galvanic isolation between the primary (high power) and the secondary circuit (electronic circuit) Jumper selectable ranges and self-powered transducers
- Application: automation systems analogy current reading for remote monitoring
- Data loggers: self-powered transducer does not drain data logger batteries
- Panel meter: simple connection displays power consumption

#### **General Specifications**

Operating temperature	-20 degree ~ +65 degree C	
Storage temperature	-20 degree ~ +65 degree C	
Operating humidity	< 85% RH, No condensation, in-house & any direction installable	
Storage humidity (non- condensing)	<85% RH	
Mass	45gram	
Note	Insulated plastic case recognized according to UL 94-V0	

Mechanical Specifications		
Primary current	15A/ 5A/ 50A	
Output signal	10@lpn VDC	
Supply voltage	Self-powered	
Load resistance	1 MOhm	
Accuracy	+/- 2 %	
Linearity	+/- 1 %	
Response time	300 ms	
RMS isolation voltage test, 50Hz, 1min	ЗКV	
Output ripple voltage	Within 5% of output voltage	
Output terminals	2x M4 -screw, with terminals cover	
Frequency bandwidth	50- 60 Hz	



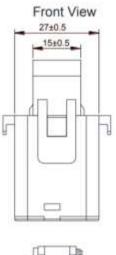
Approvals

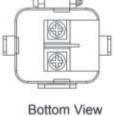
**Standards Met** 

RoHS compliant, CE, UL94-V0

### **Similar Products**

Stock No.	Brand	Product Name	Primary current
2100640	RS PRO	AC Current Transducer	15A
2100645	RS PRO	AC Current Transducer	5A
2100643	RS PRO	AC Current Transducer	50A





**Right View** 

