TRS03

Introduction to integrators

The combination of the Rothschild coil and integrator can achieve 90° phase shift compensation and frequency equalization, so that the Rothschild coil The output is in the same phase as the primary current and is frequency independent to adapt to more application scenarios. TRS Series Can output industry standard 4-20mA, 0-20mA, 0-5V, 0-10V, ideal for process control, status alarm or system monitoring. Commonly used with SCADA systems, PLCS, data loggers and protective devices.

Product picture printing is for reference only, subject to the actual product

Characteristic

Accuracy 1%
Low-zero drift
Standard 35mm card rails
High bandwidth measurement 20Hz to 2KHz
Can be combined with RFSY Roche coils of any size
Can be combined with RFSZ Roche coils of any size

Application

Power monitoring and analysis
Harmonics and transient monitoring
Welding machine control
High current measurement
PLC control

Terminal definition

1：Power+	9：InputC-
2：Power-	10：InputC+
3：OutputA+	11：N.C
4：OutputA-	12：InputB-
5：OutputB+	13：InputB+
6：OutputB-	14：N.C
7：OutputC+	15：InputA-
8：OutputC-	16：InputA+

Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

Model	TRS03-420DC-3	TRS03-001DC-3
Rated input	100~10000A	
Rated output	4-20mA DC	0-1V DC
Maximum output	24mA DC	1.2V DC
Accuracy	1%(Typical value 5%~120% Rated current 25℃)	
Frequency range	20Hz~2KHz	
Linearity	±0.2%	
Response time	≤100mS	
Ripple coefficient	5%	
Supply voltage	24V DC	
Installation type	Din-rail	
Working temperature	-20℃~+60℃	
Storage temperature	-40℃~+60℃	
Wateerproof grade	IP20	

Dimensions (in:mm±0.5)