Rogowski - Current Sensor





- Dynamic Range from 1 to 2500 Amps
- @ Meets IEC 61869-10 Accuracy Class 1
- @ Meets ANSI C12.20 Accuracy Class 1.0
- @ Phase error <0.03 degree @ 50 Hz / 60 Hz
- Bandwidth up to 50kHz
- Immune to external AC magnetic fields
- Immune to DC current & magnetic fields
- Low temperature coeffizient

Electrical Specifications @ 25°C – Operating Temperature –20°C to +80°C									
Description	Part Number	Sensitivity mV/kA			Wire length	typ. Resonance frequence	typ. Temperature coefficient	typ. external electromagnetic field	typ. external electrical voltage potential
		50 Hz	60 Hz	Tolerance	mm	kHz	ppm / K	%	mA (@230VAC / 50Hz)
RC01-SSS-0									
Rogowski Coil Size 01 - 100mV/kA	RC01-100	100	120	±1%	n.A.	370	30	0,2	60
Rogowski Coil Size 01 - 100mV/kA - Shielded	RC01-100-S								25
Rogowski Coil Size 01 - 200mV/kA	RC01-200	200	240	±1%	n.A.	200	25	0,2	40
Rogowski Coil Size 01 - 200mV/kA - Shielded	RC01-200-S								25
Rogowski Coil Size 01 - 300mV/kA	RC01-300	300	360	±1%	n.A.	150	25	0,2	35
Rogowski Coil Size 01 - 300mV/kA - Shielded	RC01-300-S								25
RC03-SSS-LLLL-0									
Rogowski Coil Size 03 - 200mV/kA	RC03-200-0250	200	240	±1%	250 ± 10	170	25	0,2	125
Rogowski Coil Size 03 - 200mV/kA - Shielded	RC03-200-0250-S								50
Rogowski Coil Size 03 - 400mV/kA	RC03-400-0250	400	480	±1%	250 ± 10	90	6	0,2	85
Rogowski Coil Size 03 - 400mV/kA - Shielded	RC03-400-0250-S								45
Rogowski Coil Size 03 - 600mV/kA	RC03-600-0250	600	720	±1%	250 ± 10	70	3	0,2	80
Rogowski Coil Size 03 - 600mV/kA - Shielded	RC03-600-0250-S								45
RC05-SSS-LLLL-0									
Rogowski Coil Size 05 - 150mV/kA	RC05-150-1000	150	180	±1%	1000 ± 20	110	28	0,2	140
Rogowski Coil Size 05 - 150mV/kA - Shielded	RC05-150-1000-S	150							20
Rogowski Coil Size 05 - 300mV/kA	RC05-300-1000	- 300	360	±1%	1000 ± 20	60	25	0,2	110
Rogowski Coil Size 05 - 300mV/kA - Shielded	RC05-300-1000-S								40
Rogowski Coil Size 05 - 450mV/kA	RC05-450-1000	450	540	±1%	1000 ± 20	45	21	0,2	80
Rogowski Coil Size 05 - 450mV/kA - Shielded	RC05-450-1000-S								20

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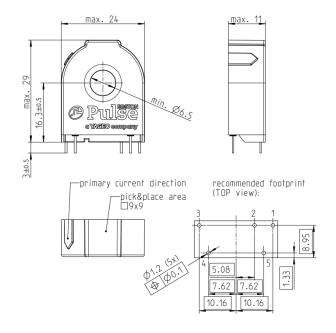
RC01-SSS-0 Series RC03-SSS-LLLL-0 Series RC05-SSS-LLLL-0 Series



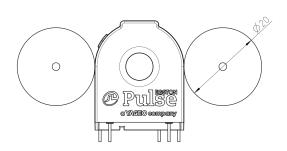
Mechanicals

RC01-SSS-0

Weight: approx. 7g Dimensions in mm



Test setup for external electromagnetic field current conductor is close to the housing with the specified diameter.



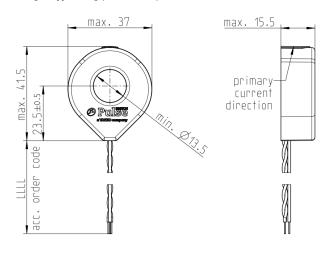
Mechanicals

RC03-SSS-LLLL-0

polarity + : Pin 1

polarity -: Pin 2 shielding: Pin 3

Weight: approx. 23g (without cable) Dimensions in mm



polarity +: yellow polarity -: green shielding: blue Test setup for external electromagnetic field current conductor is close to the housing with the specified diameter.

