

Description

With integrator, the signal of three Rogowski coils is output through one RJ45 port or eight core wire



Highlights

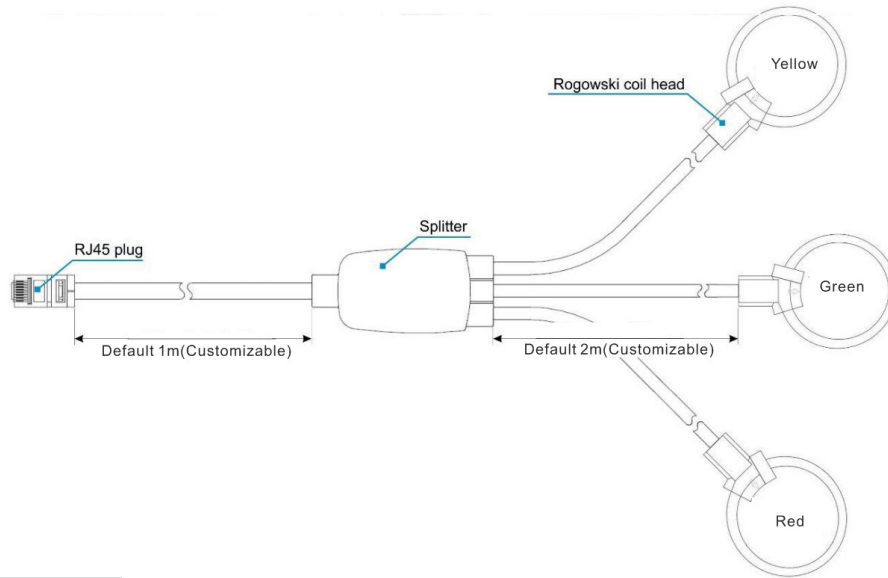
- Portable mini easy to install
- High linearity from 1A to 100 kA
- Wide dynamic range
- Very usefull with large size or awkward shaped conductors or in places with limited access
- No danger from open-circuited secondary
- Not damaged by large overloads
- Non-intrusive, no power draw from the mai
- Measurement uniformity at any position of the conductor inside the coil
- Excellent degreeen of rejection to the external current conductor

Specifications

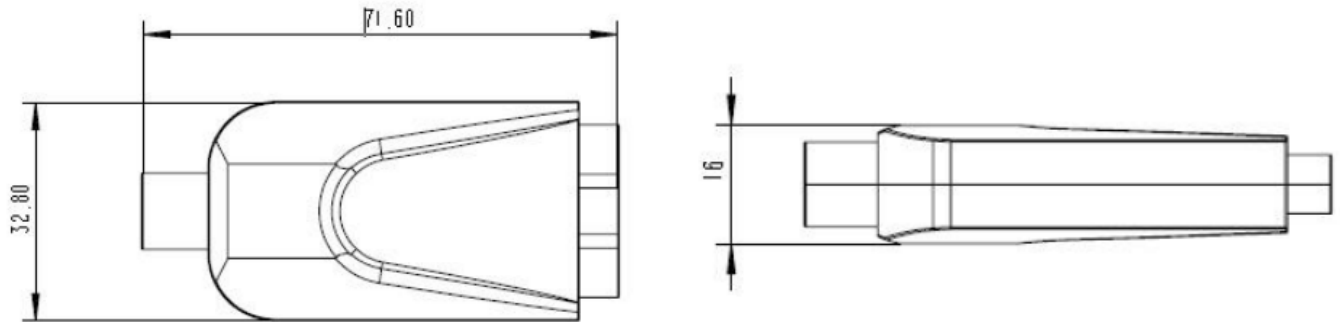
Coil length	200mm	
Window size	50mm	
Reference Rated Current	600A	
Ratio	Calibrated(default)	85mV/kA@50Hz/100mV/kA@50Hz
	Uncalibrated	105mV/kA@50Hz
Read Accuracy	Calibrated<0.5%(central position,25°C)	
	Uncalibrated<0.5%tolerance(central position,25°C)	
Maximum current measurable	100kA	
Coil Resistance	from 100-250Ω	
Coil Section	8mm	
Lead lenght	2meter	
Temperature	Uncalibrated 200ppm/C	
	Calibrated 300ppm/C	
Position Error	±1% maximum	
Output on 0 A(zero drift)	≤0.1mA	
Phase error	≤0.5°	
Linearity	±0.2% of reading	
Bandwidth	1Hz to 100kHz (-3dB)	
Operating Temperature	-30°C to 80°C	
Storage Temperature	-40°C to 90°C	

Other requirements , please contact us to OEM.

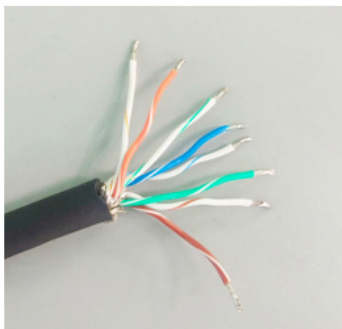
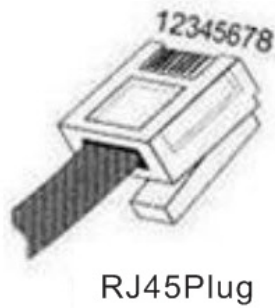
Wiring Diagram



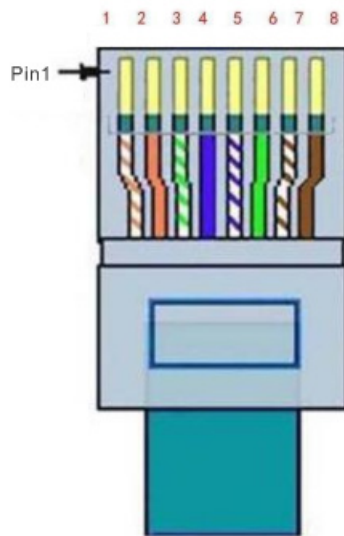
Dimensions



Definition of RJ45 Joint



Eight Core Output



With Integratr

Pin1(Orange and White)	Output1(-)
Pin2(Orange)	Output1(+)
Pin3(Green and White)	G
Pin4(Blue)	Output2(-)
Pin5(Blue and White)	Output2(+)
Pin6(Green)	V+
Pin7(Brown and White)	Output3(-)
Pin8(Brown)	Output3(+)

Safety Instructions

The coil can be safe only if it is used within the proper parameter range. Please read the following instructions carefully

Warning!

Ignoring this warning can result in serious danger!

The installation and operation of Rogowski coil can only be carried out by professionals who have received relevant training and obtained qualification certificate, and the installation or operation process shall comply with the corresponding countries

Safety regulations and relevant manufacturer's operating instructions are used in electrical or electronic equipment meeting the parameter standards and safety requirements.

Electric shock warning!

When operating the Rogowski coil, some parts of the module may carry dangerous voltage. The user shall ensure that all necessary measures are taken to prevent electric shock.

The Rogowski coil is a built-in device that contains conductive parts that cannot be touched after installation. A protective cover or additional insulation barrier may be required.

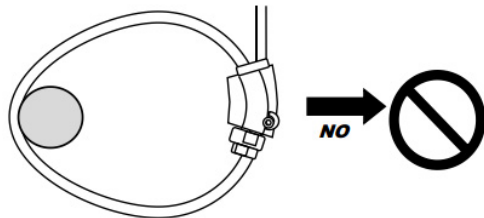
When the equipment fails and needs to be repaired, the maintenance shall be carried out after the main power supply is disconnected unless it is confirmed that there is no dangerous live module in or near the power system Etc

The safe and trouble free operation of the coil can be guaranteed only under the condition of correct transportation, storage, installation, careful operation and maintenance

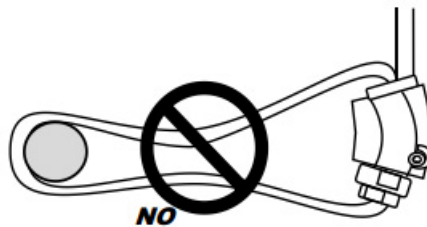
Notices!

Do not damage the coil. The accuracy and service life of the equipment will be greatly reduced by twisting, puncturing, over extruding and bending

Please do not pull by force



Please do not bend by force



Please do not pack in a bent straps

