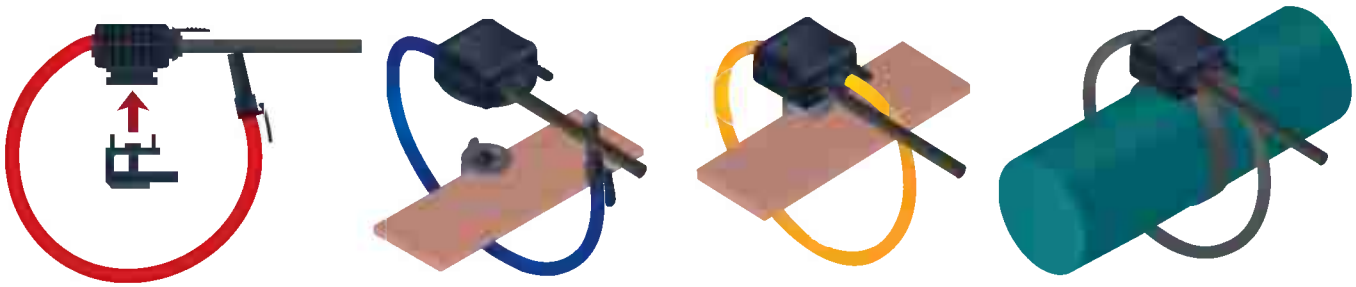
Precision Clamp on Flexible Rogowski coil CT

JRFS-XXX-R/U (X-XXX) Series



Clamp-on Flexible Rogowski coil Current Transducer has been designed for accurate measurement of AC current with a safe output voltage RMS. JRFS-XXX-R/U (X-XXX) series is the precision current probe for Revenue-Grade Distribution transformer monitoring. With voltage integrator configuration, it can replace the existing CT directly.

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

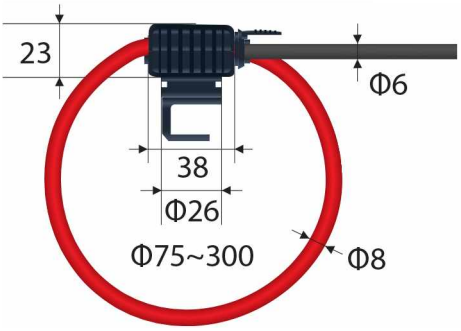
FEATURES

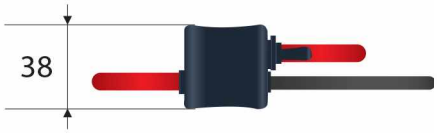
- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Insulation CATⅢ 1000V, Ⅳ 600V
- Certificated for UL & CE complying with IEC 61010-1
- Optional size is available from ID 75 to 300mm. (ex. ID 80mm)

SPECIFICATION

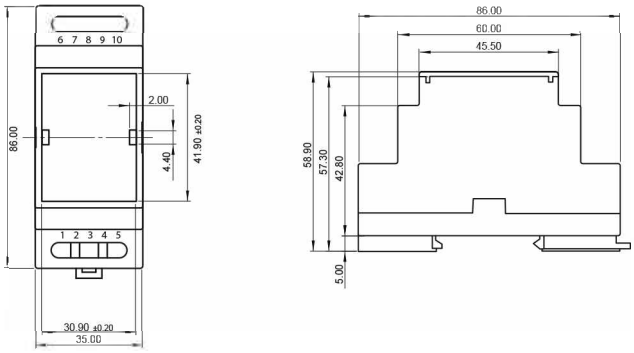
Model		JRFS-080X JRFS-075X	JRFS-115X JRFS-105X	JRFS-180X JRFS-170X	JRFS-300X JRFS-295X
Rated Current		500A ~ 6kA			
Output Voltage	R Type	104mV(50Hz) [124.8mV(60Hz)] 1kA			
	U Type	35mV(50Hz) [42mV(60Hz)]1kA			
Accuracy		< 1%			
Phase Shift		< 1° at 50/60Hz (typical < 0.5°)			
Frequency Range		10Hz to 20kHz			
Output Sensitivity Tolerance		±10% maximum(Uncalibrated)			
Output Sensitivity Tolerance		±0.5% of reading at 25°C (Calibrated)			
Linearity (10% to 100% of range)		±0.2% of reading			
Conductor Position Sensitivity		±2% maximum			
Influence of External Field		±2% maximum			
Working Temp.		-30°C ~ + 80°C			
Storage Temp.		-40°C ~ + 80°C			
Insulation Category		CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)			
Safety Standards		EN/UL/cUL 61010-1, 61010-2-032			
Testing Voltage		7400V/1min			

DIMENSIONS





OPTION : INTEGRATOR S/T-XXX SERIES



S Series Output : 4-20mADC / 0-5VDC

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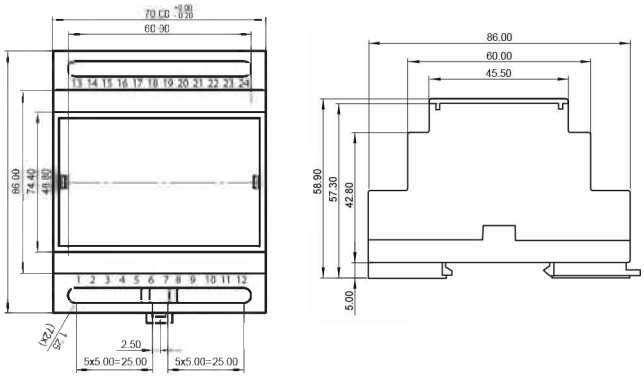
Power supply : 24V DC



T Series Output : 4-20mADC / 0-5VDC

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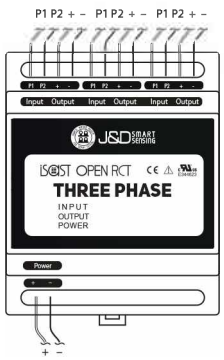

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