

METSECTRx Series Rogowski Current Transducers Technical Datasheet

Schneider Electric is the global specialist in energy management with the most complete power monitoring product line. From simple indicators (analogue meters) and CTs, to world class energy meters and powerful compact power meters, these proven products satisfy any requirement.

Applications

Schneider Electric currently offers four proven models of PowerLogic Rogowski flexible core current transformers. These are available from 300 mm to 900 mm in length operating in a current range of 50 to 5000 A.

PB1180660



METSECTR30500

PB 116060



METSECTR30500

PowerLogic Rogowski Current Transducer

Main	METSECTR30500	METSECTR46500	METSECTR60500	METSECTR90500
Range	PowerLogic			
Product or component type	Current transducer			
Accessory / part category	Measurement accessory			
Range compatibility	PowerLogic EM3500 - EM3555A EM3502A EM3560 EM3550A EM3560 EM3561A PowerLogic EM4200 - EM4236 EM4235 Acti9 iEM3000 - iEM3555 iEM3565			
Current transducer type	Flexible core			
Complementary				
Electrical connection	Flying lead 2.4 m 600 V AC max. voltage L-N sensed conductor			
Cable	1000 V AC UL style 21223 cable with 22 AWG leads			
Current range	50 A to 5000 A			
Network frequency	50/60 Hz			
Measurement accuracy	±1 % from 50 A to 5000 A			
Installation category	600 V AC Cat IV			
Pollution degree	2			
Dimensions				
CT core thickness	8 mm diameter	8 mm diameter	8 mm diameter	8 mm diameter
CT core length (open)	300 mm	460 mm	600 mm	900 mm
Diameter (closed)	96 mm	146 mm	191 mm	287 mm
Environment				
Standards	EN 61010-1, UL 61010-1, EN 61010-2-032, UL 61010-2-032			
Product certifications	CURus UL recognized			
Ambient air temperature for operation	-15 °C to 60 °C			
Ambient air temperature for storage	-40 °C to 70 °C			
Humidity range	0 to 95 % non-condensing			
Altitude	2000 m max			
Protection degree	IP67			
Commercial Reference Numbers				
METSECTR30500	Powerlogic - Rogowski current transducer, 300 mm CT core length, 96 mm dia. CT, rope, E50A, 600 V AC, 5 kA			
METSECTR46500	Powerlogic - Rogowski current transducer, 460 mm CT core length, 146 mm dia. CT, rope, E50A, 600 V AC, 5 kA			
METSECTR60500	Powerlogic - Rogowski current transducer, 600 mm CT core length, 191 mm dia. CT, rope, E50A, 600 V AC, 5 kA			
METSECTR90500	Powerlogic - Rogowski current transducer, 900 mm CT core length, 287 mm dia. CT, rope, E50A, 600 V AC, 5 kA			

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As standards, specifications and designs develop from time to time, please ask for confirmation of the information given in this document.

Design: Schneider Electric
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