Selection guide

Current transformers and sensors

Function? → Current range? → Window size?

Application	Measurement and metering			
	load current			
				
Models	**ROG-O** *p. 2*	**RGW-XXX** *p. 2*	**CT-O** *p. 2*	**5 A Current transformer** *p. 2*
Current type	AC	AC	AC	AC
Nominal current range (A)	0 … 10,000	0 … 5000	20 … 4000	5 … 5000
Window size (mm)	40 … 1000	40 … 600	40 … 120	14 … 165
Product type	Split-core and flexible	Split-core and flexible	Split-core	Solid- and split-core
Standard	IEC 61869-10 UL 61010 UL 2808	IEC 61869-10	IEC 61869-2 UL 61010 UL 2808	IEC 61869-2
Accuracy class	0,5 A1 / 1 A3	0,5 A1 / 1 A3	0.2S … 3	0.2S … 1
Secondary signal	40 … 333 mV/kA without integrator 333 mV with integration - integrable current range 200...5000 A	100 mV	100 … 333 mV 1-5 A	5 A
Output type	Pre-wired Ferrule RJ12	Pre-wired	Pre-wired Terminal block RJ12	Terminal block
Customisable	•		•	

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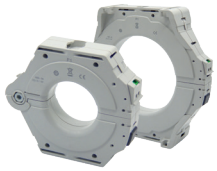
Product type (split-core, solid-core, flexible)? → Accuracy level and signal type? → Output type?

Metering	Protection	Residual	
for billing			
			
BCT-C *p. 2*	**PCT-C** *p. 2*	**DCT-C** *p. 2*	**DCT-O** *p. 2*
AC	AC	AC	AC
100 … 2000	40 … 4000 A in nominal current 120 kA in overload current	36 to 630 A per phase 3 mA to 30A of fault current	85 to 250 A per phase 3 mA to 30A of fault current
40 ... 105*42	20 … 105	15 … 300	50 … 120
Solid-core	Solid-core	Solid-core	Split-core
IEC 61869-2 IEC 61010	IEC 61869-2 IEC 61010	IEC 61869-1 UL 508 IEC 60947-2 Annex M IEC 62020	IEC 61869-1 UL 508 IEC 60947-2 Annex M IEC 62020
0.2S / 0.2S max	5P5 … 5P30	3	3
1 A, 5 A, 333 mV	1-5 A	10 … 100 mV	10 … 100 mV
Terminal block	Terminal block	Pre-wired Terminal block Ferrule RJ12	Pre-wired Terminal block Ferrule RJ12
•	•	•	•