

Selection guide

Current transformers and sensors

Function?



Current range?



Window size?

Application	Measurement and metering			
	load current			
				
Models	ROG-O <i>p. 2</i>	RGW-XXX <i>p. 2</i>	CT-O <i>p. 2</i>	5 A Current transformer <i>p. 2</i>
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	•		•	

Product type
(split-core, solid-core,
flexible)?

Accuracy level
and signal type?

Output type?

Metering	Protection	Residual	
for billing			
			
BCT-C <i>p. 2</i>	PCT-C <i>p. 2</i>	DCT-C <i>p. 2</i>	DCT-O <i>p. 2</i>
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
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