

Selection guide

Current sensors and transformers

ACCuline, **RGW** and **CT 5A**

Function?

Current
range?

Window size?

Application	Measurement and metering				
	load current				
					
Models	ROG-0	RGW-XXX	CT-0	5 A Current transformer	
Current type	AC	AC	AC	AC	
Rated current range (A)	0 ... 10 000	0 ... 5 000	20 ... 4 000	5 ... 5 000	
Window size (mm)	40 ... 1 000	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	1	1	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, solid,
flexible)?

Accuracy level
and signal type?

Output type?

Metering	Protection	Residual	
for billing			
			
BCT-C	PCT-C	DCT-C	DCT-O
AC	AC	AC	AC
100 ... 2 000	40 ... 4 000 A in rated 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	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
0.2 ... 0.5S	5P5 ... 5P30	3	3
5 A	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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