

# Selection guide

## Current sensors and transformers

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

Function?

Current  
range?

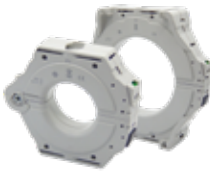
Window size?

| Application             | Measurement and metering                                                                                  |                                                                                   |                                                                                     |                                                                                     |  |
|-------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|                         | load current                                                                                              |                                                                                   |                                                                                     |                                                                                     |  |
|                         |                          |  |  |  |  |
| Models                  | RGW-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<br>UL 61010<br>UL 2808                                                                       | IEC 61869-10                                                                      | IEC 61869-2<br>UL 61010<br>UL 2808                                                  | IEC 61869-2                                                                         |  |
| Accuracy class          | 0,5 A1 / 1 A3                                                                                             | 1                                                                                 | 0.2S ... 3                                                                          | 0.2S ... 1                                                                          |  |
| Secondary signal        | 40 ... 333 mV/kA without integrator<br>333 mV with integration - integrable<br>current range 200...5000 A | 100 mV                                                                            | 100 ... 333 mV<br>1-5 A                                                             | 5 A                                                                                 |  |
| Output type             | Pre-wired<br>Ferrule<br>RJ12                                                                              | Pre-wired                                                                         | Pre-wired<br>Terminal block<br>RJ12                                                 | Terminal block                                                                      |  |
| Customisable            | •                                                                                                         |                                                                                   | •                                                                                   |                                                                                     |  |

Product type  
(split, solid,  
flexible)?

Accuracy level  
and signal type?

Output type?

| Metering                                                                         | Protection                                                                        | Residual                                                                          |                                                                                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| for billing                                                                      |                                                                                   |                                                                                   |                                                                                    |
|  |  |  |  |
| <b>BCT-C</b>                                                                     | <b>PCT-C</b>                                                                      | <b>DCT-C</b>                                                                      | <b>DCT-O</b>                                                                       |
| AC                                                                               | AC                                                                                | AC                                                                                | AC                                                                                 |
| 100 ... 2 000                                                                    | 40 ... 4 000 A in rated current<br>120 kA in overload current                     | 36 to 630 A per phase<br>3 mA to 30A of fault current                             | 85 to 250 A per phase<br>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<br>IEC 61010                                                         | IEC 61869-2<br>IEC 61010                                                          | IEC 61869-1<br>UL 508<br>IEC 60947-2 Annex M<br>IEC 62020                         | IEC 61869-1<br>UL 508<br>IEC 60947-2 Annex M<br>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<br>Terminal block<br>Ferrule<br>RJ12                                    | Pre-wired<br>Terminal block<br>Ferrule<br>RJ12                                     |
| •                                                                                | •                                                                                 | •                                                                                 | •                                                                                  |