ABB’s family of surge counters and arrester monitors type EXCOUNT have shown their superior functionality and user safety. The EXCOUNT family is in the process of a general revision which will consist of different modules that build on a common next-generation platform. The first module to be released is the Counter. As the name suggests it provides simple surge counting function, similar to the existing EXCOUNT-A. In fact, the functionality is so similar, that the EXCOUNT-C will supersede and replace the EXCOUNT-A in our product range.

Key features and advantages of EXCOUNT-C
- Secure surge counting function
- Improved surge registration down to 1.5 kA, 8/20 μs
- Easy to read six digit cyclometer counter
- Short-circuit safe
- Lightweight strong plastic housing
- Simple mounting on support structure
- Pass-through of existing earth conductor
  (with option for separate current conductor)

For simplicity, the EXCOUNT-C is not provided with a termination point for the earth cable as operators may be used to. Instead an opening is provided for the user to draw the entire earth conductor from the arrester completely through and down to ground without the need for any joints. In case the conductor is too large to fit through the hole, or simply that the user prefers to make a joint, an optional accessory for the counter is available separately; consisting of a copper cable and two cable lugs.

To streamline the modularity, the housing will be the same for all members of the new EXCOUNT family. However, notwithstanding the common platform, the electronics will be totally different between the different units and it is important to note that the EXCOUNT-C counter is not to be extendable with an add-on module. As with EXCOUNT-A, the user should therefore decide at time of purpose if a simple counter fulfills his needs, or if additional information is of interest for diagnostic purposes. More information about the other new members of the EXCOUNT family will be provided at a later date, closer to their individual sales start.

Sales Start
Sales start of the EXCOUNT-C, along with phasing out of EXCOUNT-A, is from 8 May, 2014.

Further information
More details can be obtained from your normal sales contact for surge arresters. New price lists will be also issued soon. Please forward this newsletter to your clients for their information.
Technical data

General

<table>
<thead>
<tr>
<th>Item number</th>
<th>1HSA448000-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climatic conditions</td>
<td>Sealed water-tight design, IP67</td>
</tr>
<tr>
<td>Short-circuit capability</td>
<td>65 kA according to IEC 60099-4</td>
</tr>
<tr>
<td>Power supply</td>
<td>Impulse current</td>
</tr>
</tbody>
</table>

Surge registration

| Minimum counting threshold (8/20 µs) | 1.5 kA |

Stepping criteria

- Stepping
- Not stepping

Dimensions

<table>
<thead>
<tr>
<th>93</th>
<th>285</th>
</tr>
</thead>
<tbody>
<tr>
<td>45.4</td>
<td>19.5</td>
</tr>
<tr>
<td>M10 (2x)</td>
<td>80</td>
</tr>
<tr>
<td>105</td>
<td>98.4</td>
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<tr>
<td>81</td>
<td>138</td>
</tr>
<tr>
<td>285</td>
<td>13 max</td>
</tr>
</tbody>
</table>

Optional accessory EXCOUNT-C current conductor

Current waveform: front time/half-value in µs

- 4/10
- 8/20
- 30/60
- 90/180
- 200/400
- 600/1200

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