Manufacturer's declaration on Short Circuit protection to PE for Variable Speed Drives (VSD)

Securing protection against electric shock when using Schneider Electric Altivar Process variable Speed drives, Altivar Process range:
ATV630 & ATV930 series, (0.75kW to 315kW - 380...480V and 0.75kW to 75kW - 200...240V)
ATV650 & ATV950 series, (0.75kW to 90kW - 380...480V)
according to EN/IEC61800-5-1

Manufacturer's declaration for initial verification according to IEC/HD 60364-6 and for follow up testing according to EN 50110-1

TN System:
Fault protection according to IEC/HD 60364-4-41 for motor output circuits of above mentioned equipment is secured under the following conditions:
- The above mentioned equipment is installed according to the safety instructions of the manual.
- The installation meets the requirement of applicable standards of the IEC/HD 60364 series.
- The continuity of all associated PE and equipotential bonding conductors is secured including the bonding and connection points.

The above-mentioned equipment with his electronic power output short-circuit protection circuitry complies with the protection measure "automatic disconnection of the supply" according to IEC/HD 60364-4-41:2005/ADM1-Clause 411 if above mentioned requirements are fulfilled.

This is based on following principle:
In case of a short circuit with negligible impedance to a PE conductor or against earth the above-mentioned equipment will reduce the motor output voltage within a time which is required by table 41.1 of IEC/HD 60364-4-41 2005.

TT System:
- The use of RCD's or supplementary protective bonding according to IEC60361-4-41 clause 415 is required.

<table>
<thead>
<tr>
<th>Issued by:</th>
<th>Approved by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: 2018-02-01</td>
<td>Date: 2018-02-01</td>
</tr>
<tr>
<td>Karl Kaiser</td>
<td>Jean-Louis Guillou</td>
</tr>
<tr>
<td>DRIVES R&amp;D Manager</td>
<td>DRIVES VP</td>
</tr>
</tbody>
</table>

Schneider Electric Industries SAS
35 rue Joseph Monier
Rueil Malmaison 92500 – France
http://www.schneider-electric.com/contact