

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.

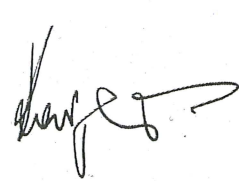
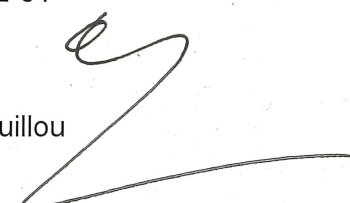
The above-mentioned equipment with his electronic power output short-circuit protection circuitry complies with the protection measure "automatic disconnection of the supply" according to IEC/HD 60364-4-41:2005/ADM1- Clause 411 if above mentioned requirements are fulfilled.

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.

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