



Certificate of conformity NS protection		Nr: 2016 – 1617 Signed copy No. 1										
Manufacturer	Steca Elektronik GmbH											
Type of NS protection	Steca-ENS; integrated NS protection											
Type Power generation unit	StecaGrid 3203, StecaGrid 3203x, StecaGrid 4003, StecaGrid 4003x, StecaGrid 4803, StecaGrid 4803x, StecaGrid 5503, StecaGrid 5503x, StecaGrid 5003, StecaGrid 6003											
Network connection rule	VDE-AR-N 4105 „Power generation system connected to the low-voltage grid“ Technical minimum requirements for connection and parallel operation of power generation systems connected to the low-voltage grid											
The network and systems protection mentioned above meets the requirements of VDE-AR-N 4105.												
<p>setting values and trip times (disconnection times):</p> <table style="margin-left: 40px;"> <tr> <td>voltage drop protection U<:</td> <td>184 V, < 200 ms</td> </tr> <tr> <td>Rise-in voltage protection U>*:</td> <td>253 V, < 200 ms</td> </tr> <tr> <td>Rise-in voltage protection U>>:</td> <td>264 V, < 200 ms</td> </tr> <tr> <td>Frequency decrease protection f<:</td> <td>47,5 Hz, < 200 ms</td> </tr> <tr> <td>Frequency increase protection f>:</td> <td>51,5 Hz, < 200 ms</td> </tr> </table> <p>* 10-minute running mean value according to DIN EN 50160</p> <p>Islanding detection is carried out by means of 3-phase-voltage-monitoring.</p> <p>It is hereby confirmed that – except the above mentioned items - the specific requirements of DIN V VDE V 0126-1-1:2006-02 +A1:2011-06 have been tested.</p> <p>VDE-AR-N 4105 compliance is guaranteed in all inverters with firmware "Net13_ENS_APP_0_26_0.upd " or higher.</p>			voltage drop protection U<:	184 V, < 200 ms	Rise-in voltage protection U>*:	253 V, < 200 ms	Rise-in voltage protection U>>:	264 V, < 200 ms	Frequency decrease protection f<:	47,5 Hz, < 200 ms	Frequency increase protection f>:	51,5 Hz, < 200 ms
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Memmingen, 29.07.2016	Steca Elektronik GmbH											
_____ ppa. Ralf Griepentrog												
This certificate of conformity shall not be used in parts.												
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