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## Test Report of the Manufacturer



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SQUARE TAPE CLAMP

### **SQUARE TAPE CLAMP**

Part no.: STA253



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DEHN + SÖHNE  
GmbH + Co KG

Hans Dehn-Str. 1  
92318 Neumarkt  
Germany

update: 2007-09-18

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**Type Test::** Test of the Lightning Current Carrying

Capability in accordance with EN 50164-1  
DIN VDE 0185-201:2000-04



Component: <b>SQUARE TAPE CLAMP</b> Part No.: <b>STA253</b> Ident.-No.: <b>0</b> Material: <b>aluminium</b>	Tightening torque of the screws: <ul style="list-style-type: none"> <li>1.) M6 - 8 Nm</li> <li>2.) M6 - 8 Nm</li> <li>3.) M6 - 8 Nm</li> <li>4.) M6 - 8 Nm</li> </ul>
Test arrangement in accordance with EN 50164-1 Annex B	<div style="border: 1px solid black; padding: 2px; display: inline-block;">B06</div> Connected conductor (1): flat strip 25x3 aluminium Connected conductor (2): flat strip 25x3 aluminium
Precondition/Ageing in accordance with Annexes C and D	Overground application C1 <input checked="" type="checkbox"/> C2 <input checked="" type="checkbox"/> Underground application D
Lightning current test in accordance with section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	<input checked="" type="checkbox"/> <b>passed</b> Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Releasing torque of the screws:	<input checked="" type="checkbox"/> <b>passed</b>
Visual check:	<input checked="" type="checkbox"/> <b>passed</b>
<p><b>Assessment:</b>          Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in <b>class H</b>.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <hr style="width: 20%; margin: 0 auto;"/> <p>Test Engineer</p> </div> <div style="text-align: center;"> <hr style="width: 20%; margin: 0 auto;"/> <p>Test Engineer</p> </div> </div>	