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**Test Report of the Manufacturer**



Generated on 01.08.2002 by SSE

MV Terminal

**MAXI MV Terminal**

Part no.: 308041



DEHN + SÖHNE  
GmbH + Co KG



Hans Dehn-Str. 1  
92318 Neumarkt  
Germany

update: 2006-06-11

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



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



<p>Component: <b>MAXI MV Terminal</b>                  Part No.: <b>308041</b>                  Ident.-No.: <b>30880</b>                  Material: <b>hot-galvanized steel</b></p>	<p>Tightening torque of the screws: 1.) M12 - 35 Nm</p>
<p>Test arrangement in accordance with EN 50164-1 Annex B</p>	<p><b>B02</b> <b>B03</b>                  Connected conductor (1): round wire 8 aluminium                  Connected conductor (2): round wire 16 aluminium</p>
<p>Precondition/Ageing in accordance with Annexes C and D</p>	<p>Overground application C1 <input checked="" type="checkbox"/> C2 <input checked="" type="checkbox"/>                  Underground application D</p>
<p>Lightning current test in accordance with section 6.3</p>	<p>3 lightning current loads                  Class H <input checked="" type="checkbox"/> 100 kA (10/350)</p>
<p>Assessment after lightning current test in accordance with section 6.3</p>	<p><input checked="" type="checkbox"/> <b>passed</b>                  Transient resistance: Specified value: <math>\leq 1 \text{ m}\Omega</math></p>
<p>Releasing torque of the screws:</p>	<p><input checked="" type="checkbox"/> <b>passed</b></p>
<p>Visual check:</p>	<p><input checked="" type="checkbox"/> <b>passed</b></p>
<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>	
<p>                  _____                  Test Engineer</p>	<p>                  _____                  Test Engineer</p>



**Type Test::** Test of the Lightning Current Carrying Capability in accordance with EN 50164-1 DIN VDE 0185-201:2000-04



Component: <b>MAXI MV Terminal</b> Part No.: <b>308041</b> Ident.-No.: <b>30880</b> Material: <b>hot-galvanized steel</b>	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement in accordance with EN 50164-1 Annex B	B01 B04 Connected conductor (1): round wire 8 aluminium Connected conductor (2): round wire 16 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>	
 _____ Test Engineer	 _____ Test Engineer



**Type Test::** Test of the Lightning Current Carrying Capability in accordance with EN 50164-1 DIN VDE 0185-201:2000-04



Component: <b>MAXI MV Terminal</b> Part No.: <b>308041</b> Ident.-No.: <b>30880</b> Material: <b>hot-galvanized steel</b>	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement in accordance with EN 50164-1 Annex B	B01 B04 Connected conductor (1): round wire 8 hot-galvanized steel Connected conductor (2): round wire 16 hot-galvanized steel
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>	
 Test Engineer	 Test Engineer

**Type Test::** Test of the Lightning Current Carrying Capability in accordance with EN 50164-1 DIN VDE 0185-201:2000-04


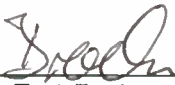


Component: <b>MAXI MV Terminal</b> Part No.: <b>308041</b> Ident.-No.: <b>30880</b> Material: <b>hot-galvanized steel</b>	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement in accordance with EN 50164-1 Annex B	B02 B03 Connected conductor (1): round wire 8 hot-galvanized steel Connected conductor (2): round wire 16 hot-galvanized steel
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-around; margin-top: 20px;"> <div data-bbox="311 1556 587 1630" style="text-align: center;">   <hr style="width: 100%; border: 0; border-top: 1px solid black; margin: 0;"/>           Test Engineer         </div> <div data-bbox="981 1523 1260 1630" style="text-align: center;">   <hr style="width: 100%; border: 0; border-top: 1px solid black; margin: 0;"/>           Test Engineer         </div> </div>	

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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



<p>Component: <b>MAXI MV Terminal</b>          Part No.: <b>308041</b>          Ident.-No.: <b>30880</b>          Material: <b>hot-galvanized steel</b></p>	<p>Tightening torque of the screws: 1.) M12 - 35 Nm</p>
<p>Test arrangement in accordance with EN 50164-1 Annex B</p>	<p><input type="checkbox"/> B02 <input type="checkbox"/> B03          Connected conductor (1): round wire 10 steel          Connected conductor (2): round wire 8 reinforcement</p>
<p>Precondition/Ageing in accordance with Annexes C and D</p>	<p>Overground application          Underground application D</p>
<p>Lightning current test in accordance with section 6.3</p>	<p>3 lightning current loads          Class H <input checked="" type="checkbox"/> 100 kA (10/350)</p>
<p>Assessment after lightning current test in accordance with section 6.3</p>	<p><input checked="" type="checkbox"/> <b>passed</b>          Transient resistance: Specified value: <math>\leq 1 \text{ m}\Omega</math></p>
<p>Releasing torque of the screws:</p>	<p><input checked="" type="checkbox"/> <b>passed</b></p>
<p>Visual check:</p>	<p><input checked="" type="checkbox"/> <b>passed</b></p>
<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-around; margin-top: 20px;"> <div data-bbox="311 1534 587 1608"> <p>              _____              Test Engineer</p> </div> <div data-bbox="981 1496 1260 1608"> <p>              _____              Test Engineer</p> </div> </div>	

**Type Test::** Test of the Lightning Current Carrying Capability in accordance with EN 50164-1  
DIN VDE 0185-201:2000-04





Component: <b>MAXI MV Terminal</b> Part No.: <b>308041</b> Ident.-No.: <b>30880</b> Material: <b>hot-galvanized steel</b>	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement in accordance with EN 50164-1 Annex B	B02 B03 Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 20 reinforcement
Precondition/Ageing in accordance with Annexes C and D	Overground application 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>	
 _____ Test Engineer	 _____ Test Engineer

7

**Type Test::** Test of the Lightning Current Carrying Capability in accordance with EN 50164-1 DIN VDE 0185-201:2000-04





Component: <b>MAXI MV Terminal</b> Part No.: <b>308041</b> Ident.-No.: <b>30880</b> Material: <b>hot-galvanized steel</b>	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement in accordance with EN 50164-1 Annex B	<input type="checkbox"/> B01 <input type="checkbox"/> B04 Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 20 reinforcement
Precondition/Ageing in accordance with Annexes C and D	Overground application 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-around; margin-top: 20px;"> <div data-bbox="316 1541 592 1608">             Test Engineer         </div> <div data-bbox="991 1503 1267 1608">             Test Engineer         </div> </div>	



**Type Test::**

Test of the Lightning Current Carrying Capability in accordance with EN 50164-1  
DIN VDE 0185-201:2000-04





<p>Component: <b>MAXI MV Terminal</b> Part No.: <b>308041</b> Ident.-No.: <b>30880</b> Material: <b>hot-galvanized steel</b></p>	<p>Tightening torque of the screws: 1.) M12 - 35 Nm</p>
<p>Test arrangement in accordance with EN 50164-1 Annex B</p>	<p><b>B02</b> <b>B03</b> Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 14 reinforcement</p>
<p>Precondition/Ageing in accordance with Annexes C and D</p>	<p>Overground application Underground application D</p>
<p>Lightning current test in accordance with section 6.3</p>	<p>3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)</p>
<p>Assessment after lightning current test in accordance with section 6.3</p>	<p><input checked="" type="checkbox"/> <b>passed</b> Transient resistance: Specified value: <math>\leq 1 \text{ m}\Omega</math></p>
<p>Releasing torque of the screws:</p>	<p><input checked="" type="checkbox"/> <b>passed</b></p>
<p>Visual check:</p>	<p><input checked="" type="checkbox"/> <b>passed</b></p>
<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-around; margin-top: 20px;"> <div data-bbox="316 1534 590 1601"> <p> _____ Test Engineer</p> </div> <div data-bbox="989 1489 1264 1601"> <p> _____ Test Engineer</p> </div> </div>	

**Type Test::**


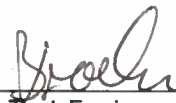
Test of the Lightning Current Carrying  
Capability in accordance with EN 50164-1  
DIN VDE 0185-201:2000-04



Component: <b>MAXI MV Terminal</b> Part No.: <b>308041</b> Ident.-No.: <b>30880</b> Material: <b>hot-galvanized steel</b>	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement in accordance with EN 50164-1 Annex B	<input type="checkbox"/> B01 <input type="checkbox"/> B04
	Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 14 reinforcement
Precondition/Ageing in accordance with Annexes C and D	Overground application 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)
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<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> .	
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<p>Component: <b>MAXI MV Terminal</b>                  Part No.: <b>308041</b>                  Ident.-No.: <b>30880</b>                  Material: <b>hot-galvanized steel</b></p>	<p>Tightening torque of the screws: 1.) M12 - 35 Nm</p>
<p>Test arrangement in accordance with EN 50164-1 Annex B</p>	<p><b>B01</b> <b>B04</b>                  Connected conductor (1): round wire 10 steel                  Connected conductor (2): round wire 8 reinforcement</p>
<p>Precondition/Ageing in accordance with Annexes C and D</p>	<p>Overground application                  Underground application D</p>
<p>Lightning current test in accordance with section 6.3</p>	<p>3 lightning current loads                  Class H <input checked="" type="checkbox"/> 100 kA (10/350)</p>
<p>Assessment after lightning current test in accordance with section 6.3</p>	<p><input checked="" type="checkbox"/> <b>passed</b>                  Transient resistance: Specified value: <math>\leq 1 \text{ m}\Omega</math></p>
<p>Releasing torque of the screws:</p>	<p><input checked="" type="checkbox"/> <b>passed</b></p>
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