# **Test Report of the Manufacturer**



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**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



Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:
Test arrangement in accordance with EN 50164-1 Annex B	B02 B03
	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 🗹 C2 🗹 Underground application D
Lightning current test in accordance with section 6.3	3 lightning current loads Class H ☑ 100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	
Releasing torque of the screws:	☑ passed
Visual check:	☑ passed

Assessment:
Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in class H.



Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



in accordance with section 6.3	Class H ☑ 100 kA (10/350)
Precondition/Ageing in accordance with Annexes C and D  Lightning current test	Overground application C1 & C2 &
Test arrangement in accordance with EN 50164-1 Annex B	Connected conductor (1): round wire 8 aluminium Connected conductor (2): round wire 16 aluminium
Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:

Assessment: Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in class H.

Test Engineer



Test of the Lightning Current Carrying Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:
	B01 B04
Test arrangement in accordance with EN 50164-1 Annex B	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 🗹 C2 🗹 Underground application D
Lightning current test in accordance with section 6.3	3 lightning current loads Class H 2 100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	
Releasing torque of the screws:	Ø passed
Visual check:	≅ passed

Assessment: Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in class H.

Test Engineer

Type Test::

Test of the Lightning Current Carrying Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:
Test arrangement	B02 B03
in accordance with EN 50164-1 Annex B	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 🗹 C2 🗹 Underground application D
Lightning current test in accordance with section 6.3	3 lightning current loads Class H ☑ 100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	
Releasing torque of the screws:	☑ passed
Visual check:	☑ passed

## **Assessment:**

Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in **class H**.

Rest Engineer



Test of the Lightning Current Carrying Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:
Test arrangement in accordance with EN 50164-1 Annex B	B02 B03
	Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 8 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 2 100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	$\begin{tabular}{lll} \hline \begin{tabular}{lll} \hline \end{tabular} \hline \end{tabular} tabu$
Releasing torque of the screws:	☑ passed
Visual check:	☑ passed

## Assessment:

Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in **class H**.

Test Engineer



Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



Releasing torque of the screws:	passed
Assessment after lightning current test in accordance with section 6.3	
Lightning current test in accordance with section 6.3	3 lightning current loads Class H ☑ 100 kA (10/350)
Precondition/Ageing in accordance with Annexes C and D	Overground application Underground application D
in accordance with EN 50164-1 Annex B	Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 20 reinforcement
Test arrangement	B02 B03
Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:

Assessment:
Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in class H.



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



Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:
Test arrangement in accordance with EN 50164-1 Annex B	B01 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 ☑ 100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	
Releasing torque of the screws:	☑ passed
Visual check:	☑ passed

Assessment:
Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in class H.



Test of the Lightning Current Carrying Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:
Test arrangement in accordance with EN 50164-1 Annex B	B02 B03
	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 ☑ 100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	
Releasing torque of the screws:	☑ passed
Visual check:	☑ passed

## <u> Assessment:</u>

Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in **class H**.

Test Engineer

Type Test::

Test of the Lightning Current Carrying

Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



Component: MAXI MV Terminal Part No.: 308041 IdentNo.: 30880 Material: hot-galvanized steel	Tightening torque 1.) M12 - 35 Nm of the screws:
Test arrangement in accordance with EN 50164-1 Annex B	B01 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   100 kA (10/350)
Assessment after lightning current test in accordance with section 6.3	
Releasing torque of the screws:	<b>☑</b> passed
Visual check:	☑ passed

## Assessment:

Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in **class H**.

Test Engineer



Capability in accordance with EN 50164-1

DIN VDE 0185-201:2000-04



Tightening torque 1.) M12 - 35 Nm of the screws:
B01 B04
Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 8 reinforcement
Overground application Underground application D
3 lightning current loads Class H ☑ 100 kA (10/350)
☑ passed
☑ passed

## **Assessment:**

Thus, the device has passed the test in accordance with EN 50164-1-DIN VDE 0185-201:2000-04 and has been classified in **class H**.

Yest Engineer