

Test Report of the Manufacturer



Generated on 08.12.2016 by KJ

MV Terminal

MAXI MV Terminal

Part no.: S05635



drawing not binding

DEHN + SÖHNE
GmbH + Co KG

Hans Dehn-Str. 1
92318 Neumarkt
Germany

update: 2016-11-09

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B02 <input type="checkbox"/> B03 Connected conductor (1): round wire 8 aluminium Connected conductor (2): round wire 16 aluminium
Precondition/Ageing according to Annexes C	Overground application C1 <input checked="" type="checkbox"/> C2 <input checked="" type="checkbox"/> Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Kurtzinger J. Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B02 <input type="checkbox"/> B03 Connected conductor (1): round wire 8 hot-galvanized steel Connected conductor (2): round wire 16 hot-galvanized steel
Precondition/Ageing according to Annexes C	Overground application C1 <input checked="" type="checkbox"/> C2 <input checked="" type="checkbox"/> Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Kürzinger J. Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B01 <input type="checkbox"/> B04 Connected conductor (1): round wire 8 aluminium Connected conductor (2): round wire 16 aluminium
Precondition/Ageing according to Annexes C	Overground application C1 <input checked="" type="checkbox"/> C2 <input checked="" type="checkbox"/> Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Kürzinger J. Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



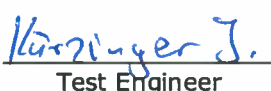

Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B01 <input type="checkbox"/> B04 Connected conductor (1): round wire 8 hot-galvanized steel Connected conductor (2): round wire 16 hot-galvanized steel
Precondition/Ageing according to Annexes C	Overground application C1 <input checked="" type="checkbox"/> C2 <input checked="" type="checkbox"/> Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B02 <input type="checkbox"/> B03 Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 8 reinforcement
Precondition/Ageing according to Annexes C	Overground application Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
<p>Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H.</p>	
 Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B02 <input type="checkbox"/> B03 Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 20 reinforcement
Precondition/Ageing according to Annexes C	<input type="checkbox"/> Overground application <input type="checkbox"/> Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 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 according to Annexes C	Overground application Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B02 <input type="checkbox"/> B03 Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 14 reinforcement
Precondition/Ageing according to Annexes C	Overground application Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Kürzinger J. Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 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 according to Annexes C	Overground application Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Kürzinger J. Test Engineer	 Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.

Type Test:

Test of the Lightning Current Carrying
Capability according to EN 62561-1 DIN VDE
0185-561-1



Component: MAXI MV Terminal Part No.: S05635 Mat.-No.: 3005635 Material: hot-galvanized steel	Tightening torque of the screws: 1.) M12 - 35 Nm
Test arrangement according to EN 62561-1 Annex B	<input type="checkbox"/> B01 <input type="checkbox"/> B04 Connected conductor (1): round wire 10 steel Connected conductor (2): round wire 8 reinforcement
Precondition/Ageing according to Annexes C	Overground application Underground application D
Lightning current test according to DIN EN 62561-1 section 6.3	3 lightning current loads Class H <input checked="" type="checkbox"/> 100 kA (10/350)
Assessment after lightning current test according to DIN EN 62561-1 section 6.3	<input checked="" type="checkbox"/> passed Transient resistance: Specified value: $\leq 1 \text{ m}\Omega$
Static-mechanical tests according to DIN EN 62561-1 section 6.4:	<input type="checkbox"/> not intended for receiving static loads
Releasing torque of the screws:	<input checked="" type="checkbox"/> passed
Visual check:	<input checked="" type="checkbox"/> passed
Assessment: Thus, the device has passed the test according to EN 62561-1-DIN VDE 0185-561-1 and has been classified in class H .	
 Kürzinger G. Test Engineer	 Baller Test Engineer

Remark: Since the application is a tear off screw, it is not possible to prove a loosening torque of the screw.