

Certification of Conformity

for HILTI MT modular support system
in combination with X-BT threaded studs on steel

according to IEC / EN 61537, Section 11.1
ELECTRICAL CONTINUITY TEST

A series of tests¹ were conducted to determine the conductivity properties of the below designated HILTI MT channel system mounted with HILTI X-BT fastener on a corrosion protected carbon steel base. Installation built according Hilti installation recommendations.

Test criteria:

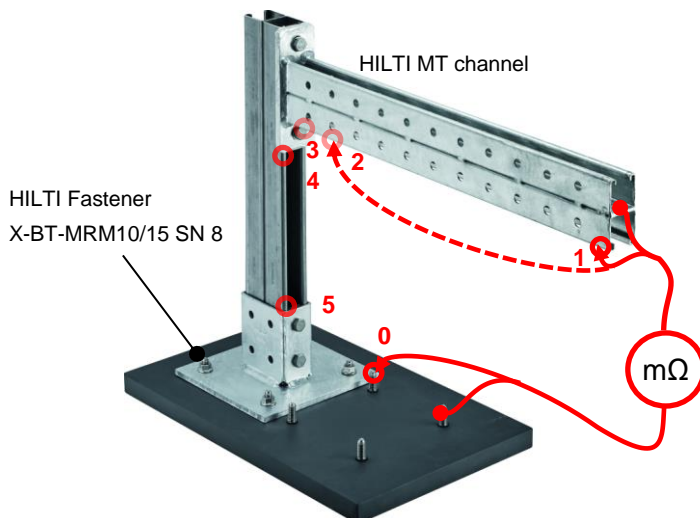
- A Test over the splice/joint: The impedance (Z) shall not exceed 50 mΩ
- B Test over length of conduct. The impedance (Z) shall not exceed 5 mΩ/m

Test #	Measuring tip position	Comment	Test criteria	Result ¹	Outcome
1	1-0	whole system to ground (worst case)	< 50 mΩ	0.43 mΩ	complying
2	1-3	cross member	< 5 mΩ/m	0.28 mΩ/m	complying
3	3-4	splice	< 50 mΩ	0.05 mΩ	complying
4	4-5	cross member	< 5 mΩ/m	0.21 mΩ/m	complying
5	5-0	splice	< 50 mΩ	0.05 mΩ	complying

¹) Averaged over three test samples measured.

Test setup:

The test setup according to IEC / EN 61537, Section 11.1. The measurements were conducted with the 4-wire resistance measurement method.



- The test samples were assembled from the following elements:
- I.-Channel MT-40D OC (500 mm)
 - Bracket MT-BR-40 600 OC
 - 4-hole Baseplate MT-B-O4 OC
 - X-BT-MR M10/15 SN 8, ass. with twist-lock MT-TL M10 OC

Schaan, 07/12/2021

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¹ pve Test Report # 21-041201.02