XE-21-49

Certification of Conformity

for Oglaend Mekano 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 tests[1] were conducted to determine the conductivity properties of the below designated stainless steel Oglaend Mekano modular support system with HILTI X-BT fastener on a corrosion protected carbon steel base. Installation built according Hilti installation recommendations.

Test criteria:

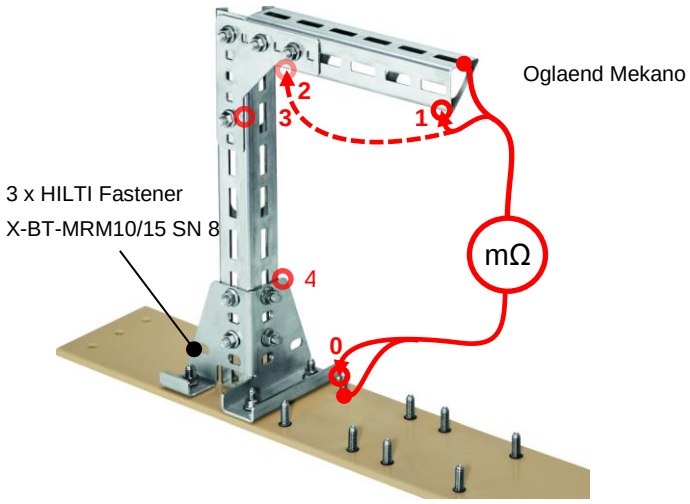
A Test over the splice/joint: The impedance (Z) shall not exceed 50 mΩ
B Test over length of conduct. The impedance (Z) shall not exceed 5 mΩ/m

Test #	Measuring tip position	Comment	Test criteria	Result[1]	Outcome
1	**1-0**	**whole system to ground (worst case)**	**< 50 mΩ**	**4.3 mΩ**	complying
2	1-2	cross member	< 5 mΩ/m	4.7 mΩ/m	complying
3	2-3	splice	< 50 mΩ	1.7 mΩ	complying
4	3-4	cross member	< 5 mΩ/m	4.0 mΩ/m	complying
5	4-0	splice	< 50 mΩ	1.0 mΩ	complying

[1]) Averaged over tree 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:

- Cross member: S-M BS-CH50-2T2-300
- Splice: S-M GP-CH-50-2T
- Cross member: S-M BS-CH50-2T2-450
- Baseplate S-M BS-CH50-2T 125-3
- X-BT-MR M10/15 SN 8, ass. with twist-lock

Schaan, 07/12/2021

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[1] pve Test Report # 21-041201.02