

Test Report

DEGREE OF PROTECTION

Tested according to NEMA 250-2014 1st Edition, Type 4X

Type of test object: Cabinet seal
 Type: RFCS
 Manufacturer: MTC Brattberg AB
 Test Date: 2 – 24 May 2017
 Manufacturer: MCT Brattberg AB
 Lyckeåborg
 SE-371 92 Karlskrona, Sweden

The following tests were performed:

Clause	Definition	Test conditions	Requirements	Observed	Compy
5.7 <i>Test for protection against ingress of water (hosedown)</i>	Simulation of a hosedown condition	The spray of water shall be directed at all points of potential water entry such as seams, joints and external operating mechanisms. Nozzle: Ø 25 mm Flow : 240 L/minute Distance: 3,0 to 3,5 m. Duration: 6mm/sec.	At the conclusion of the test no water has entered the enclosure.	No water was entered in to the enclosure.	YES
5.14.1 <i>Gasket tests</i>	Tensile strength and elongation tests	Gasket material, if used in a 4X enclosure, shall be of such quality that samples subjected to a temperature of 69 – 70°C in circulating air for 168 hours have a tensile strength of not less than 75 % and an elongation of not less than 60 % of values determined for unaged samples.	At the conclusion of the tests, there shall be no visible deformation, melting, or cracking of the material.	No visible deterioration, deformation, melting, or cracking of the material and <75% tensile strength, <60 % elongation	YES

Conclusion after hosedown and gasket tests: PASS

Kista, 29 May 2017

Intertek Semko AB
 Environmental testing

Tested by

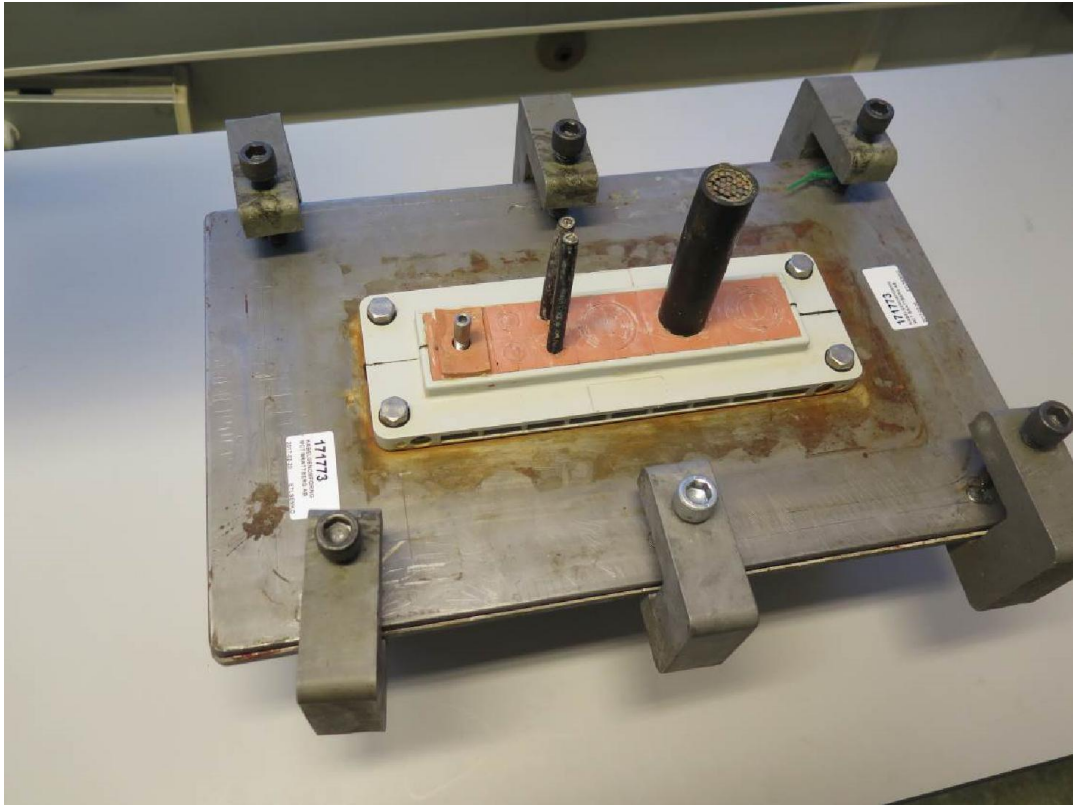


Robert Söderqvist

Approved by



Mats Nyström



Picture 1: Test rig and cabinet seal



Picture 2: EUT during water hosedown test



Picture 3: Temp chamber used for 70°C circulating air for 168 hours



Picture 4: Dog bone used for tensile strength and elongation tests



Picture 5: EUT during tensile strength and elongation tests

