Intertek

Ref.code: 1708766STO-003

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
5.6 *External icing test*	Test intended to simulate freezing rain, sleet and snow.	The enclosure shall be mounted in a room at -3°C to -7°C with water sprayed until minimum 20 mm ice have been formed on its surface.	Enclosures shall sustained undamaged after the ice has melted.	Due to the product design this test was assessed not applicable.	NA
5.7 *Test for protection against ingress of water (hosedown)* .	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
5.9 *Outdoor corrosion protection*	Salt spray test	600-Hour salt spray test	An enclosure shall show no pitting, cracking or other deformation.	Due to the product design this test was assessed not applicable.	NA
5.14.1 *Gasket tests*	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, 7 May 2018

Intertek Semko AB
Environmental testing

Tested by

Robert Söderqvist

Approved by

Mats Nyström