

ENVIRONMENT TEST REPORT

Environmental and mechanical requirements

Report Reference No.: **G0F-2009-9327-CE01RAIL-V01**

Testing Laboratory: Eurofins Product Service GmbH

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Accreditation.....: DAkkS-Registration number D-PL-12092-01-02



Applicant's name: ANTONICS-ICP GmbH

Address.....: Ameisenweg 5
16727
Velten GERMANY

Test specification: In accordance with customer requests

Standard: **EN 50155: 2017**
cl.13.4.4 / 13.4.5.3 / 13.4.7 / 13.4.10 / 13.4.14 / 13.4.11
CAT 1 B

Non-standard test method.....: None

Equipment under test (EUT):

Product description.....: OmProtec®

Model No.: RBF / DCB

Additional Models: Band Rejection System (Notch-Filter)
OmProtec®-RBF - L 274 mm x W 122 mm x H 94 mm,
weight 4000 g
DC-Blocker: OmProtec® DCB MF-03,
L 138 x W 85 x H 34, weight 380 g

Hardware Version.....: None

Software / Firmware Version: None

Test result: **Passed**

Possible test case verdicts:

- neither assessed nor tested.....: N/N
- required by standard but not appl. to test object.....: N/A
- required by standard but not tested.....: N/T
- not required by standard for the test object.....: N/R
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

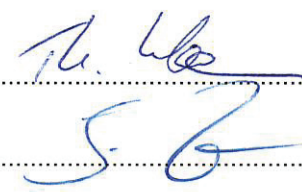
Testing:

Test Lab Temperature.....: 22 °C
 Test Lab Humidity.....: 45 %
 Test Lab Atmospheric pressure:.....: 1003 mbar
 Date of receipt of test item: 2020-10-05
 Date (s) of performance of tests: 2020-10-06 to 2020-10-30

Compiled by: Th.Winkelmann(Expert)

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Approved by (+ signature): J.Zimmermann(Expert)



Date of issue: 2020-11-17

Total number of pages: 22

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

Additional comments:

2 Result Summary

Product Specific Standard Section	Requirement – Test	Result
EN 50155: 2017 cl. 13.4.4	Low temperature start-up test EN 60068-2-1: 2007 OT 6 / -40°C Test duration > 4h	P
EN 50155: 2017 cl. 13.4.5	Dry heat test EN 60068-2-2:2007 OT 6 / 85°C / cycle B Test duration > 8h	P
EN 50155: 2017 cl. 13.4.7	Cyclic damp heat test EN 60068-30: 2005 Test Db variant2 55°C and 25°C, Test duration 2 x24h	P
EN 50155: 2017 cl. 13.4.14	Rapid temperature variation test EN 60068-2-14: 2009 OT 6 , changing range 3K/min Dwell time 1h of each temperature / duration = 4 cycles	P
EN 50155: 2017 cl. 13.4.11.3	Mechanical Shock EN 61373: 2010 3 Shock per direction and axis Acceleration 50m/s ² (5g), Duration 30 ms Sinus half wave Worst case: mounting direction is not fixed	P
EN 50155: 2017 cl. 13.4.11.4	Random – Functional test EN 61373: 2010 5 Hz – 150 Hz, 1,01 m/s ² RMS Duration 10min per Direction Worst case: mounting direction is not fixed	P
EN 50155: 2017 cl. 13.4.11.2	Random – Long-life test EN 61373: 2010 5 Hz – 150 Hz, 5,72 m/s ² RMS Duration 5h per Direction Worst case: mounting direction is not fixed	P