

PCN Number: 2021-08#01 Notification Date: 15.09.2021

Affected Product Group: RAC05-SK/480  
Affected Products: RAC05-05SK/480, RAC05-12SK/480, RAC05-15SK/480

Effective Date: 16.09.2021 / Datasheet REV.: 7/2021

## **Reason for Change:**

Dear customers,

We herewith inform you that due to completed certification process and continuous improvement philosophy of RECOM we will perform the following changes on our datasheet as stated in this Product Change Notification.

## **Change Description:**

### Change #1: Isolation Voltage

The latest Safety Report (IEC 61010) indicates 5.4kVAC, thus we can positively update the value from 4kVAC to 5.4kVAC.

### Change #2: Hold-up time

100VAC condition has been added, additionally to already stated conditions.

### Change #3: Input Current

100VAC condition has been added, additionally to already stated conditions.

### Change #4: External Fuse

Based on UL 61010 CB-Report an external fuse is mandatory to be used. Current datasheet stated under "Note 6" that an external fuse needs to be defined based on local safety regulations.

### Change #5: Pollution Degree

Pollution Degree "PD3" has been added based on safety update in regards to UL 61010.

### Change #6: Limited Power Source "LPS"

"LPS" Information has been added based on IEC 62368-1 CB Report.

## Change #7: Derating Graph

"Note 8" has been added based on UL 61010 safety report.

The 12V and 15V output voltage types were submitted for full load operation up to +50°C (tamb) only.

## Change #8: Potting Material

The potting material in fact was PU since first mass-production in year 2019 (Datecode 1940).

The silicone potting was only used at an early sample stage.

This means the physical part has always been with PU potting and not with silicone potting.

## Change #9: Operating Altitude

Operating altitude can be updated from 3000m up to 5000m, based on IEC 61010-1 safety report.

## Change #10: ESD Electrostatic discharge immunity test

Based on 3rd party assessment the condition under "Air" can be updated to  $\pm 15\text{kV}$  under Criteria "A", "Contact" condition can be updated to  $\pm 8\text{kV}$  also under Criteria "A".

## Change #11: Fast Transient and Burst Immunity

Based on 3rd party assessment the condition for "AC Power Port" can be updated to Criteria "A".

## Change #12: Surge Immunity

Based on 3rd party assessment the condition for "AC Power Port" can be updated up to  $\pm 4\text{kV}$  under Criteria "A".

  
**Authorized Signature**  
i.A. Tobias Endler, Group PCO & TQM  
Signed for and on behalf of RECOM Power GmbH

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