



LCIE



Accreditation  
N°1-0311  
Scope available on  
www.cofrac.fr

# ENGLISH VERSION OF TEST REPORT

N° 141657-685423

Version 01

**Subject** Verification of degrees of protection IK10 provided by the enclosure of one RFID badge reader

**Issued to** **STID**  
20 Parc d'activités des Pradeaux  
13850 GREASQUE

## Equipment under test

- Product	RFID badge reader
- Trade mark	STID
- Manufacturer	STID
- Model under test	ARC1-x3x-x
- Serial number	Not specified

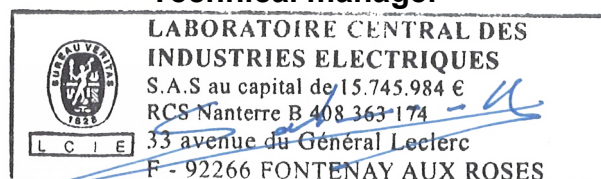
**Conclusion** Compliant

**Reception of the equipment** April 11<sup>th</sup> 2016  
**Test date** April 19<sup>th</sup> 2016  
**Test location** LCIE Fontenay-aux-Roses  
**Composition of the document** 6 pages

**Document issued on** May 31<sup>st</sup> 2016

**Written by :**  
Eric VAGNE  
**Test technician**

**Approved by :**  
Jean-Luc SALMON  
**Technical manager**



This document shall not be reproduced, excepted in full, without the written approval of the LCIE. This document contains results related only to the items tested. It does not imply the conformity of the whole production to the items tested. Unless otherwise specified, the decision of conformity takes into account the uncertainty of measurement. This document doesn't anticipate any certification decision.

**LCIE**

Laboratoire Central des Industries Electriques  
Une société de Bureau Veritas

33, Av du Général Leclerc  
92266 Fontenay Aux Roses  
FRANCE

Tél : +33 1 40 95 60 60  
contact@lcie.fr  
www.lcie.fr



<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Modification</b>
01	May 31 <sup>st</sup> 2016	Eric VAGNE	Creation of document



## TABLE OF CONTENTS

	<b>Page</b>
<b>1. EQUIPMENT TESTED .....</b>	<b>4</b>
<b>2. TEST FACILITIES AND METROLOGICAL VALIDITY .....</b>	<b>4</b>
<b>3. TESTS PROCEDURE AND RESULTS .....</b>	<b>4</b>
<b>3.1. Test for the protection against mechanical impacts (IK10) .....</b>	<b>5</b>
<b>4. CONCLUSION.....</b>	<b>5</b>
<b>Photographs .....</b>	<b>6</b>

## 1. EQUIPMENT TESTED

One RFID badge reader provided by STID Company

Photograph



## 2. TEST FACILITIES AND METROLOGICAL VALIDITY

- Pendulum hammer : LCIE – D2126010 (Verification at each use).

## 3. TESTS PROCEDURE AND RESULTS

The equipment, according to the standards IEC 62262 edition 2002 and NF EN 662262 edition 2004, was submitted to the following tests.



### 3.1. Test for the protection against mechanical impacts (IK10)

The test was carried out according to the clause 6 of quoted standard.

#### Test specifications

- Energy of impact : 20 J
- Number of impacts : 5 on the front face (see photographs N°1 and 2).
- Impact location : See photographs N°1 and 2

#### Result

No damage, impairing the protection of internal parts and persons, was observed on the equipment  
Satisfactory result

### 4. CONCLUSION

The equipment, presented on paragraph 1, satisfies the degree of protection IK10.



**Photographs**



**Photograph N°1:** Number and location of impacts.



**Photograph N°2:** Number and location of impacts.