



TEST REPORT IEC 62262 and/or EN 62262 Degrees of protection by enclosures for electrical equipment against external mechanical impacts IK code	
Test Report number	CLIMAIRFA180701.00
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Technical Director	(Document signed by means of electronic signature)
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Applicant's name	AIRFAL INTERNATIONAL, S.L.
address	Polígono Industrial San Miguel, C/ Rio Esera, 4 50830 Villanueva de Gállego (Zaragoza – Spain)
Testing laboratory	TECNOCREA, S.L.
Address	C/ Colón, 41 46210 Picaña (Valencia – Spain)
Test specifications:	
Standard	<input checked="checked" type="checkbox"/> IEC 62262:2002 <input checked="checked" type="checkbox"/> EN 62262:2002
Test procedure	CE CLIM
Non-standard test method	N/A
Test Report Form No	03EN62262_00
Test Report Form(s) Originator	Tecnocert
Master Test Report Form	Dated 03-2015
The reflected results are property of the applicant and without his/her previous authorisation they will not be communicated to a mediator.	
Testing laboratory accepts no responsibility for damages resulting for use or improper interpretation of the information contained in this document.	
Test item description	Fixed luminaire
Trade mark	
Manufacturer	AIRFAL INTERNATIONAL, S.L.
Model/Type reference	ORION / OR214
Ratings	220-240V. 50/60Hz. Class I. LED 24W. Convertor. IP67.

Summary of testing: The luminaire reference OR214 is **accordant** IK09 with the sections analysed in this test report.

<p>Test performed (name of test and clause):</p> <ul style="list-style-type: none"> - IEC/EN 62262:2002 Relevant specification EN 60598-1:2015, subclause 4.13, "mechanical strength". 	<p>Testing location:</p> <p>TECNOCREA, S.L. C/ Colón, 41 46210 Picaña (Valencia – Spain)</p>
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<p>Test item particulars:</p>	
<p>Classification of installation and use</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Luminaire suitable for direct mounting on normally flammable surfaces, use indoor/outdoor</p> <p>Connector</p> <p>IP67</p> <p>N/A</p>
<p>Possible test verdicts:</p> <ul style="list-style-type: none"> - test case does not apply to the test object..... : N/A - test object does meet the requirement : P (Pass) - test object does not meet the requirement : F (Fail) 	
<p>Testing:</p> <p>Date of receipt of test item : 08-06-2018</p> <p>Date (s) of performance of test : 15-06-2018 / 18-06-2018</p>	
<p>Environmental conditions:</p> <p>Temperature (min. / max.)..... : 24°C / 25°C</p> <p>Relative humidity (min. / max.)..... : 38% / 39%</p> <p>Air pressure (min. / max)..... : 1019mb / 1021mb</p>	

<p>General remarks:</p> <p>ENAC is signature of EA (European co-operation for Accreditation) Multilateral Agreement on test matters. The test results presented in this report relate only to the object tested.</p> <p>This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory. Uncertainties of measurements are calculated and available to the customer.</p> <p>"(See Enclosure #)" refers to additional information appended to the report.</p> <p>"(See appended table)" refers to a table appended to the report.</p> <p>Throughout this report a comma is used as the decimal separator.</p>
<p>General product information:</p>

IEC/EN 62262			
Clause	Requirement + Test	Result - Remark	Verdict
4	DESIGNATIONS		—
4.1	Arrangement of the IK code	IK09	P
4.2	Relation between IK code and impact energy:		—
	IK00	Not protected	N/A
	IK01	Energy 0,14 J	N/A
	IK02	Energy 0,2 J	N/A
	IK03	Energy 0,35 J	N/A
	IK04	Energy 0,5 J	N/A
	IK05	Energy 0,7 J	N/A
	IK06	Energy 1 J	N/A
	IK07	Energy 2 J	N/A
	IK08	Energy 5 J	N/A
	IK09	Energy 10 J	P
	IK10	Energy 20 J	N/A
4.3	Application of the IK code		P
	Degree of protection applied to the complete enclosure	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
	Enclosures have differing degrees of protection	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
5	GENERAL CONDITIONS		—
5.1	Atmospheric conditions for tests	T ^a 25 °C RH 39 %	P
5.2	Enclosures under test		P
	Clean	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
	New	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
5.3	Specifications of the relevant product standard		P
	Test equipment	Pendulum hammer	P
	Number of samples to be tested	1	P
	Conditions of the sample		P
	Mounting		P
	Assembling		P
	Positioning		P
	Pre-conditioning, if applicable	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
	Test energized	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—

IEC/EN 62262			
Clause	Requirement + Test	Result - Remark	Verdict
	Test with any moving parts in motion	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	Number of impacts	EN 60598-1:2015 clause 4.13 specifications	P
	Point of application	EN 60598-1:2015 clause 4.13 specifications	P
6	TEST TO VERIFY THE PROTECTION AGAINST MECHANICAL IMPACTS		—
6.3	Mounting condition	Pendulum hammer support	P
6.4	Number and position of impacts.....	EN 60598-1:2015 clause 4.13 specifications	P
6.5	Test evaluation	EN 60598-1:2015 clause 4.13 specifications	P
	- admissible damage		P
	- criteria for safety and reliability		P
7	TEST APPARATUS		—
	Pendulum hammer according EN 60068-2-75	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
	Spring hammer according EN 60068-2-75	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	Vertical hammer according EN 60068-2-75	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—

IEC/EN 62262			
Clause	Requirement + Test	Result - Remark	Verdict
	ANNEX 1: photos		—



IEC/EN 62262			
Clause	Requirement + Test	Result - Remark	Verdict



IEC/EN 62262			
Clause	Requirement + Test	Result - Remark	Verdict

