

Simtars
Engineering, Testing and Certification Centre

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Test Report

AS 60529 - 2004,
IEC 60529:2001

***Degrees of Protection provided by
enclosures (IP Code)***

Report No:	NE05/0077
Date of Issue:	7 February 2006
Job No.:	05/0265
Applicant/Customer Name:	B & R Enclosures Pty Ltd 51 Stradbroke Street HEATHWOOD, QLD, 4110.
Equipment Details:	NI Universal range of Industrial enclosures.
Degree of Protection:	IP66

Checked: _____

G. Park
G. Park

Approved Signatory: _____

B. Parmar
B. Parmar



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1.0 Description of Apparatus

1.1 General

The Universal NI Series enclosures are of powder coated zincanneal or stainless sheet steel construction. The hinged door is provided with either one door lock for enclosures less than 800mm high or two for enclosures greater than 800mm high. The door has a formed-in-place gasket for sealing. The 200 and 300 series powder coated range of enclosures have a gland plate fitted to the bottom of the enclosure. The gland plate has a Neoprene 3mm die cut gasket for sealing. The models covered by this test report are listed in Tables below.


1.2 Models in the Series

SERIES 150

Model Number		Dimensions (mm)		
POWDER COATED ZINCANNEAL	STAINLESS STEEL	H	W	D
NI03021	NI03021/S	300	200	150
NI03031	NI03031/S	300	300	150
NI03041	NI03041/S	300	400	150
NI04031	NI04031/S	400	300	150

SERIES 300

Model Number		Dimensions (mm)		
POWDER COATED ZINCANNEAL	STAINLESS STEEL	H	W	D
NI04043	NI04043/S	400	400	300
NI04063	NI04063/S	400	600	300
NI06043	NI06043/S	600	400	300
NI06063	NI06063/S	600	600	300
NI08063	NI08063/S	800	600	300
NI 08083	NI08083/S	800	800	300
NI10063	NI10063/S	1000	600	300
NI10083	NI10083/S	1000	800	300
NI12083	NI12083/S	1200	800	300

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SERIES 200

Model Number		Dimensions (mm)		
POWDER COATED ZINCANNEAL	STAINLESS STEEL	H	W	D
NI03042	NI03042/S	300	400	200
NI04032	NI04032/S	400	300	200
NI04042	NI04042/S	400	400	200
NI04062	NI04062/S	400	600	200
NI05042	NI05042/S	500	400	200
NI05052	NI05052/S	500	500	200
NI06042	NI06042/S	600	400	200
NI06062	NI06062/S	600	600	200
NI08062	NI08062/S	800	600	200
NI10062	NI10062/S	1000	600	200
NI10082	NI 10082/S	1000	800	200

2.0 Test Specification

The equipment was assessed and tested to AS 60529-2004 for degree of protection IP66.

The following clauses of AS 60529 were applied:

1, 2, 3, 4, 5, 6, 11, 12.1, 12.2, 12.3, 12.3.1, 13.1, 13.4, 13.6.1, 13.6.2, 14.1, 14.2, 14.2.6, 14.3.

3.0 Summary of Test Results

The equipment complies with the relevant requirements of the standard as listed in Section 2.0 of this report and achieved a degree of protection of IP66.

4.0 Conditions

Cable glands fitted shall have a minimum degree of protection rating of IP66.

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5.0 Additional Information


The following certificates and test reports relate to this equipment:


Test Report	Equipment
NE00/0011	Range of Universal NI Enclosures

6.0 Drawings

The drawings below were assessed in the course of the preparation of this report and detail the explosion protection characteristics of the electrical equipment in accordance with the standards listed in Section 2.

Drawing No	Drawing Title	Rev	Date
BS6381	NI/S STAINLESS STEEL RANGE	1c	30/11/05
BS6383	NI PRODUCT SPECIFICATION TABLE	1b	29/11/05
BS6384	NI GLAND PLATE TABLE	1b	29/11/05
BS6005	FIP DOOR / BACK PANEL GASKET DETAIL	3a	10/03/04
AX5230	NI 1.6mm DOORS NI0302-NI1008	12a	29/05/03
AX6617	NI 1.6mm DOORS NI0504-NI0808	1a	06/08/04
AX5688	NI NI1208 DOOR	3a	24/05/05
RG5028	INDUSTRIAL INTERNAL LABELS	6a	21/07/05

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