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Test Report

To

AS 60529-2004
(IEC 60529:2001)

Degrees of protection provided by enclosures
(IP Code)

Report No: NE10/0006

Date of Issue: 24 March 2010

Job No.: 09/0146

Applicant/Customer Name: B & R Enclosures Pty Ltd
51 Stradbroke Street
HEATHWOOD QLD 4110




Equipment Details: iLINQ Range of Enclosures



Degree of Protection: IP56 for double door enclosure configurations
IP66 for single door enclosure configurations

Checked: _____
 G Ross

Approved Signatory: _____
 D Soady



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1.0 Description of Apparatus:

The B&R range of iLINQ Enclosures are of sheet metal construction and incorporate a modular internal frame. The enclosures are of modular design allowing multiple sizes of enclosures with varying combinations of hinged doors and fixed panels. The enclosures may be manufactured in any size up to the overall maximum external dimensions of approximately 2204 mm high, 1210 mm wide and 1210 mm deep for the double door models and 2204 mm high, 810 mm wide and 1210 mm deep for the single door models. Sealing of the enclosures is achieved via a combination of formed in place polyurethane foam gaskets, silicon gaskets, gasket tape and clear silicone. The hinged doors utilise multiple hinge and latching points while the fixed panels utilise multiple fixing points to ensure positive compression of the seals. A gland plate is fitted in the base of the enclosure for cable entries.

2.0 Test Specification

The double door range of enclosures were assessed and tested to AS 60529-2004 (IEC 60529:2001) for degree of protection IP56.

The following clauses of AS 60529-2004 were applied:

1, 2, 3, 4, 5, 6, 11, 12.1, 12.2, 12.3, 12.3.1, 13.1, 13.2, 13.3, 13.4, 13.5.1, 13.5.2, 14.1, 14.2, 14.2.6, 14.3

The single door range of enclosures were assessed and tested to AS 60529-2004 (IEC 60529:2001) for degree of protection IP66.

The following clauses of AS 60529-2004 were applied:

1, 2, 3, 4, 5, 6, 11, 12.1, 12.2, 12.3, 12.3.1, 13.1, 13.2, 13.3, 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 listed in Section 2.0 of this report and achieved degrees of protection of IP56 for the double door enclosure configurations and IP66 for the single door enclosure configurations.

4.0 Conditions

All cable glands, blanking elements and conduit entries used on the enclosures shall be rated IP56 or better for the double door configuration and IP66 or better for the single door configuration.

All seals and gaskets are to be fitted and maintained in accordance with the manufacturer's specifications.

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5.0 Drawings

The drawings listed below were assessed in the course of the preparation of this report and detail the degree of protection characteristics of the enclosures in accordance with the standard listed in Section 2.0.

Drawing No	Drawing Title	Rev	Date
KBS10426	iLINQ IP TESTING CLADDING	1-B	12/11/09
KBS10427	iLINQ IP TESTING DOOR	2-A	12/11/09
KBS10428	iLINQ IP TESTING DOUBLE DOOR	2-B	12/11/09
KBS10429	iLINQ IP TESTING TOP	1-C	12/11/09
KBS10430	iLINQ IP TESTING GLAND PLATE DETAILS	1-B	15/12/09
KBS10434	iLINQ IP TESTING FRAME	1-B	22/02/10
KLE10002	B&R iLINQ DOUBLE DOOR SIMTAR TEST LEAFLET	2-A	-
LE6709	B&R iLINQ SINGLE DOOR LEAFLET	2-C	-

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