

Test Report No. 7191051304-EEC13/YKF  
dated 15 MAR 2013

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**Subject**

TYPE TESTING OF MULTIPLE SOCKET-OUTLETS

**Client**

Power Logic SA (PTY) Ltd  
10 Cane Road, Ottery  
7808 Cape Town,  
South Africa

Attn: Mr. Mark Scott / Mr. Vincent Sim

**Sample Submission Date**

17 Dec 2012

**Models**

See page 5 to page 22



Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
No.1 Science Park Drive  
Singapore 118221






LA-2007-0380-A  
LA-2007-0381-F  
LA-2007-0382-B  
LA-2007-0383-G  
LA-2007-0384-D  
LA-2007-0385-E  
LA-2007-0386-C  
LA-2010-0464-D

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<b>TEST REPORT</b> <b>BS 5733 / SS 241 / MS 1144</b> <b>General requirements for electrical accessories</b>	
Report Reference No.....	7191051304-EEC13/YKF
Compiled by (+ signature).....	Yap Kim Fatt 
Approved by (+ signature).....	Phua Kim Suah 
Date of issue.....	15 Mar. 2013
Testing Laboratory.....	TÜV SÜD PSB Pte Ltd
Address.....	No. 1 Science Park Drive, Singapore 118221
Testing location.....	Same as above
Applicant's name.....	Powerlogic South Africa (PTY) Ltd
Address.....	10 Crane Road, Ottery, Cape Town 7808, South Africa
Test specification	
Standard.....	BS 5733:2010 / SS 241:1996 / MS 1144:1998
Test procedure.....	Same as above
Non-standard test method.....	N/A
Test item description.....	Multiple 13A Socket-Outlets
Trade Mark.....	
Manufacturer.....	Powerlogic South Africa (PTY) Ltd
Model/Type reference.....	See product description from page 5 to 22
Test item particulars	
Rating.....	13A 250V~
Method of application.....	Panel mount
Method of connecting the cable.....	Non-rewirable
Type of cable.....	H05VV-F 3G
Nominal cross sectional area.....	1.5 mm <sup>2</sup>
Type of terminals / termination.....	Soldered
Existence of fuse.....	Unfused
Existence of switch.....	With and without switch
Provision for earthing.....	Earthed
Degree of protection.....	IP20
For normal use or rough use.....	Normal use

<b>Test case verdicts</b>	
Test case does not apply to the test object ...:	N/A
Test item does meet the requirement .....	P(ass)
Test item does not meet the requirement.....:	F(ail)
<b>Testing</b>	
Date of receipt of test item .....	17 Dec 2012
Date(s) of performance of test .....	15 Jan 2013 – 15 Mar. 2013
<b>General remarks</b>	
This report shall not be reproduced except in full without the written approval of the testing laboratory. The test results presented in this report relate only to the item(s) tested. "(see remark #)" refers to a remark appended to the report. "(see Annex #)" refers to an annex appended to the report.	
<ol style="list-style-type: none"><li>1. The Omega Power System, Optima Power System, Alpha Power System, Vertical Power Dock and Horizontal Power Dock submitted were of 13A multiple power outlets of same construction and design using same type of components of BS 13A socket-outlets, illuminated 16A switch, 16A interconnectors and 1.5mm<sup>2</sup> flexible power cord. The technical specification of each system is detailed in Appendix II from page 60 to 69.</li><li>2. All enclosures were of metal type and were fitted with earth connection made through input power lead which is internally bonded to aluminium casing and power socket.</li><li>3. The internal wiring connection for multiple socket-outlets were by means of 1.5mm<sup>2</sup> flexible wire and terminated by solder. See picture on page 58 for detail.</li><li>4. The 16A illuminated switch type C72 and the power cord H05VV-F 3G1.5mm<sup>2</sup> used were VDE certified.</li><li>5. The 16A interconnectors were tested to BS 5733 together with the multiple socket-outlets as complete units.</li><li>6. The 13A module socket-outlets type Cat. No.1CU were tested and complied with BS 1363-2 / SS 145-2 / MS 589-2. For detail see pages 47 to 55.</li><li>7. Test on clause 13.12 (normal operation of interconnector and socket-outlet) of BS 5733, were conducted after the test samples were subjected to resistance to ageing and resistance to humidity tests.</li><li>8. The multiple socket-outlets are to be sold directly to furniture suppliers.</li><li>9. The multiple socket-outlets are to be connected to main power socket via approved BS type 13A fused plug with earthing fitted with 1.5mm<sup>2</sup> flexible power cord.</li><li>10. The 13A multiple socket-outlets submitted are deemed to comply with BS 5733: 2010 / SS 241: 1996 / MS 1144: 1998.</li></ol>	

