

Earlier Certificate  
Number Year  
4387 2006



Certificate No. : 4498  
Date of Issue : 01 JUL 2009  
Date of Expiry : 01 JUL 2012


GOVERNMENT OF INDIA  
Ministry of Defence  
**LCSO LIMITED TEST APPROVAL**  
(UNDER THE PROVISIONS OF JSS 50102)


*Grant of this Limited Approval confirms the competence of*

Integral Systems & Components Pvt. Ltd.  
45/46, Gubbanna Industrial Estate  
6th Block, Rajajinagar  
BANGALORE - 560 010

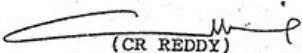
*to manufacture the component(s) described below with the limitation(s)  
as in serial number 8:*

- |                                |   |
|--------------------------------|---|
| 1 Component                    | : Switch, Toggle, Unsealed SPDT, 3A, 230V ac, 50 Hz Miniature.  |
| 2 Manufacturer's Code          | : 2111-2011   |
| 3 Joint Services Specification | : JSS 5930-02:2006 (Revision No.2)<br>(JSS 51201)   |
| 4 Style Reference              | : ST06-AU3  |
| 5 Range                        | : -   |
| 6 JSS 50101 Severities         |   |
| Temperature                    | : T 55/85   |
| Damp Heat                      | : H 13  |
| Air Pressure (Low)             | : P 16 : 8.5 kPa  |
| Acceleration (Steady State)    | : A 10 : 170 m/s <sup>2</sup>   |
| Impact (Shock)                 | : S 13 : 750 m/s <sup>2</sup> , 6 ms  |
| Vibration                      | : V 11 : 10-500 Hz  |
| 7 Special Features             | : Body -DAP, Actuator ! Brass, Nickel plated.   |
| 8 Limitations                  | : 'Life' test at 'AC Inductive load' and 'Air Pressure (low)' not conducted due to lack of test facilities. |

  
(P KURIAN VARGHESE)  
Scientist 'F', LRDE  
Chairman  
LCSO Panel

  
(P KURIAN VARGHESE)  
Scientist 'F'  
Officer-in-Charge

Electronic Components Standardisation Organisation  
Defence Research and Development Organisation  
C.V. Raman Nagar, BANGALORE-560 093  
For Electronics Standardisation Sub-Committee

  
(CR REDDY)  
Brig  
Officer-in-Charge  
Test Laboratory  
COAL  
BANGALORE-560 006

Place : BANGALORE

Date :

\* This approval does not obviate the need for Batch Acceptance tests.

Earlier Approval  
Number Year  
4374 2006



Certificate No. : 4497  
Date of Issue : 01 APR 2009  
Date of Expiry : 01 APR 2012

**GOVERNMENT OF INDIA**  
**Ministry of Defence**


**LCSO LIMITED TEST AND PERFORMANCE APPROVAL**  
**(UNDER THE PROVISIONS OF JSS 50102)**


*Grant of this Limited Approval confirms the competence of*

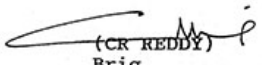
Integral Systems & Components Pvt. Ltd.  
45/46, Gubbanna Indl. Estate, 6th Block  
Rajajinagar  
BANGALORE - 560 010

*to manufacture the component(s) described below with the limitation(s)  
as in serial number 8:*

- |                                |   |   |
|--------------------------------|---|---|
| 1 Component                    | : | Switch, Toggle, DPDT, 3A, 230 Vac,<br>Unsealed, Miniature.  |
| 2 Manufacturer's Code          | : | 2211-2011   |
| 3 Joint Services Specification | : | JSS 5930-02:2006 (Revision No. 2)<br>(JSS 51201)  |
| 4 Style Reference              | : | ST 07-AU3   |
| 5 Range                        | : | -   |
| 6 JSS 50101 Severities         | : | -   |
| Temperature                    | : | T 55/85   |
| Damp Heat                      | : | H 13  |
| Air Pressure (Low)             | : | P 16 : 8.5 kPa  |
| Acceleration (Steady State)    | : | A 10 : 170 m/s <sup>2</sup>   |
| Impact (Shock)                 | : | S 13 : 750 m/s <sup>2</sup> , 6 ms  |
| Vibration                      | : | V 11 : 10-500 Hz  |
| 7 Special Features             | : | Housing : DAP, Brass, Nickel plated.  |
| 8 Limitations                  | : | 'Life' test at 'AC Inductive load' and Air<br>Pressure (low)', not conducted due to lack of<br>test facilities. |

  
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