उत्पाद मैनुअल
बायोनेट लैम्प होल्डर्स
आईएस 1258: 2024 / आईईसी 61184: 2017 के अनुसर

PRODUCT MANUAL
BAYONET LAMPHOLDERS
as per IS 1258: 2024 / IEC 61184: 2107

यह उत्पाद नियमावली सभी क्षेत्रीय/शाखा कार्यालयों और लाइसेंसधारियों द्वारा विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम, 2018 की योजना-I के अंतर्गत प्रमाणन के संचालन में एकरूपता और पारदर्शिता सुनिश्चित करने के लिए संदर्भ सामग्री के रूप में उपयोग की जाएगी। बीआईएस प्रमाणन प्राप्त करने के इच्छुक भावी आवेदक भी इस दस्तावेज़ का उपयोग कर सकते हैं।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations,2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification.

1.	**मानक संख्या / IS No.**	:	IS 1258: 2024 / IEC 61184: 2107
	शीर्षक / Title	:	Bayonet Lamp holders
	संशोधनों की संख्या **No. of amendments**	:	1
2.	**नमूनाकरण दिशानिर्देश / Sampling Guidelines**		
a)	**कच्चा माल** **Raw material**	:	No specific requirement. *Note: This section indicates the requirements for raw material (if specified in the IS) for which compliance is to be established during Grant of Licence/Change in Scope of Licence/Factory Surveillance.*
b)	**समूहीकरण दिशानिर्देश** **Grouping Guidelines**	:	Please refer **ANNEX – A**
c)	**नमूने का परिमाण** **Sample Quantity**	:	As per Cl. 5.3 of IS 1258: 2024 / IEC 61184: 2017
d)	**परीक्षण अनुरोध में घोषित किए जाने वाले पैरामीटर** **Parameters to be Declared in Test Request**		1. Rated Voltage in addition to the parameters given in scope of the licence. *Note: Apart from the above, any other requirements/ parameters may also be declared as per the standard, as applicable.*
3.	**परीक्षण उपकरण की सूची** **List of Test Equipment**	:	Please refer **ANNEX – B**
4.	**निरीक्षण एवं परीक्षण योजना** **Scheme of Inspection and Testing**	:	Please refer **ANNEX – C**

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5.	**एक दिन में संभावित परीक्षण** **Possible tests in a day**	:	• Dimensions – Cl 9 • Protection against electric shock – Cl 10 • Terminals – Cl. 11 • Construction – Cl 13 • Creepage distance and clearance – Cl 18 • Screws, current-carrying parts and connections – 17 *Note: This section is for the guidance of BIS Certification Officers/ Technical Auditors of BIS Authorized Outside Surveillance Agencies(OSAs) during factory inspection to provide ready reference regarding the tests which can be witnessed during the inspection in the factory by the officer/ auditor.*
6.	**लाइसेंस का दायरा / Scope of the Licence:**		

"License is granted to use Standard Mark as per **IS 1258: 2024 / IEC 61184: 2017** with the following scope:

Name of the product	Bayonet Lamp holders
Ratings	….. A for Lamp holder B15d ….. A for Lamp holders B22d
Type (Cl. 7.4)	i. Switched lamp holders provided with an integral switch to control the supply to the lamp; ii. Non-switched lamp holders
Exterior material (Cl. 7.1)	i. wholly of plastic material ii. wholly of ceramic material iii. wholly or partly of metal
Degree of protection against solid objects and ingress of water (Cl. 7.2)	i. ordinary lamp holders; ii. drip-proof lamp holders
Method of fixing (Cl. 7.3)	i. threaded entry lamp holders; ii. cord grip lamp holders; iii. back plate lamp holders; iv. other type of lamp holders (to be declared by the manufacturer)
Protection against electric shock (Cl. 7.5)	i. unenclosed lamp holders; ii. enclosed lamp holders; iii. independent lamp holders; iv. partly reinforced insulated lamp holders; v. enclosed reinforced insulated lamp holders
Resistance to heat (Cl. 7.6)	i. without T marking ii. with Txxx marking (xxx – temp has to be declared by the manufacturer) iii. with T1 marking iv. with T2 marking
Means of connection of Terminals (Cl. 11.1)	i. Screw-type terminals; ii. Screwless terminals; iii. Tabs or pins for push-on connections; iv. Posts for wire wrapping; v. Soldering lugs; vi. Connecting leads (non-rewirable tails)

ANNEX -A
Grouping Guidelines

1. Manufacturer shall submit the declaration for each of the parameters as specified in scope of the licence (as per Sl. No. 6 above) for each variety of 'Bayonet Lamp holders' they intend to cover in the scope of licence.

2. 'Bayonet Lamp holder' as per IS 1258: 2024 / IEC 61184: 2017 is classified based on the following:

   i. Ratings: …..A for Lamp holder B15d/ …..A for Lamp holders B22d

   ii. Type: Switched lamp holders provided with an integral switch to control the supply to the lamp/ Non-switched lamp holders

   iii. Exterior material: wholly of plastic material/ wholly of ceramic material/ wholly or partly of metal

   iv. Degree of protection against solid objects and ingress of water: ordinary lamp holders/ drip-proof lamp holders

   v. Method of fixing: threaded entry lamp holders/ cord grip lamp holders/ back plate lamp holders/ other type of lamp holders *(to be declared by the manufacturer)*

   vi. Protection against electric shock: unenclosed lamp holders/ enclosed lamp holders/ independent lamp holders/ partly reinforced insulated lamp holders/ enclosed reinforced insulated lamp holders

   vii. Resistance to heat: without T marking/ with Txxx marking *(xxx – temp has to be declared by the manufacturer)*/ with T1 marking/ with T2 marking

   viii. Means of connection of Terminals: Screw-type terminals/ Screwless terminals/ Tabs or pins for push-on connections/ Posts for wire wrapping/ Soldering lugs/ Connecting leads (non-rewirable tails)

3. For considering Grant of Licence/ Change in Scope of Licence, each 'variety of Bayonet Lamp holder' is to be tested.

4. Firm shall declare the varieties of Bayonet Lamp holders that they intend to be covered in the Licence. The Scope of Licence may be restricted based on the Manufacturing and Testing capabilities of the Manufacturer.

5. During the operation of the Licence, BO shall ensure that all the model(s) covered in the Scope of the Licence are tested in rotation to the extent possible.

ANNEX- B

List of Test Equipments

(Indicative List, For Guidance Only)

Sl. No.	Tests used in with Clause Reference	Test Equipment
1.	Dimensions - Cl. 9 Terminals - Cl. 11 Construction - Cl. 13 Screws, current-carrying parts and connections - Cl. 17 Creepage distances and clearances - Cl. 18	Vernier Caliper, Micrometer, Torque meter, Gauges
2.	Limits of Error Due to Other Influence Quantities - Cl. 4.6.2	Gauss Meter
3.	Test of Influence of Short-Time Overcurrent - Cl. 5.4.3	Short Time Over Current Tester
4.	Test of influence of voltage dips and Interruptions - Cl. 5.4.2 Influence of Supply Voltage - Cl. 4.4.2	Voltage Dips and Interruption Tester
5.	Tests of Insulation Properties - Cl. 5.4.6.1, Cl. 5.4.6.3, CL. 5.4.6.4	a.c. High Voltage Tester Insulation Tester
6.	Tests of Electrical Requirements - Cl. 5.4.1	Digital Multi meter
7.	a.c. voltage test - Cl. 5.4.6.3	High Voltage Tester
8.	Test of Influence of Self-Heating - Cl. 5.4.4	Digital Temperature Measurement Equipment
9.	Shock Test - Cl. 5.2.2	Shock Test Device
10.	Vibration Test - Cl. 5.2.3	Vibration Test Device
11.	Spring Hammer Test - Cl. 5.2.1	Spring Hammer Test Device
12.	Impulse voltage test - Cl. 5.4.6.2	Impulse Voltage Tester
13.	Test of Resistance to Heat and Fire - Cl. 5.2.4	Glow Wire Test Apparatus
14.	Influence of Short-Time Over currents Cl. 4.4.3, Test of Influence of Short-Time Overcurrent Cl. 5.4.3	Short time overcurrent tester

The above list is indicative only and may not be treated as exhaustive.

ANNEX C
Scheme of Inspection and Testing

1. QUALITY ASSURANCE PLAN

1.1 It is expected that during operation of BIS licence manufacturers will implement a Quality Assurance Plan (QAP) i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan (QAP) defining the control unit (i.e. lot/batch etc.), the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and declare the arrangement for testing i.e. whether in-house or sub-contracting/ sharing for each applicable test and submit the same to BIS Branch Office for information. The manufacturer shall comply with the QAP and maintain test records in accordance with para 2.1.

1.3 Recommended Levels of Control/ Control Unit:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is: *Bayonet Lamp holder of same variety manufactured in a day* shall constitute a control unit.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in Table 1. Manufacturer has the discretion of declaring their own levels of control or accept the levels of control given in this document.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan.

1.4 However, all manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard.

2. ENSURING COMPLIANCE THROUGH TESTING

The manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard for which they may have in-house test facilities. However, there is no obligation to maintain in-house laboratory. Licensee may use alternative arrangements for tests of the production as per the declared QAP. Various alternatives are available for operation of BIS certification as given below and the relevant guidelines for availing such relaxations by the manufacturers, as amended from time to time, are to be referred:

i) Shared testing resources like common facility,

ii) Cluster based testing facility,

iii) Sub-contracting to outside laboratories which may either be:

a) BIS recognised/ empanelled laboratories, or

b) Any accredited laboratory as per ISO/IEC 17025

2.1 Test Records- The manufacturers shall maintain test records for the tests carried out (either in-house or at a sub-contracted or at shared test facility) to establish conformity of the product to the Standard for operation of licence. For the tests being subcontracted or conducted at a shared test facility, test results issued by the laboratories or test facilities, shall be made available for inspection by BIS.

3. PACKING AND MARKING

The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on each Bayonet Lamp holder provided always that the lamp holders so marked conforms to each requirement of the specification.

3.1 Marking on each Bayonet Lamp holder shall be done as per Cl. 8 of IS 1258: 2024 / IEC 61184: 2017

3.2 **Additional Marking requirements**: The lamp holder shall also be marked with the following additional requirement on each packing:

a) "For BIS certification details please visit www.bis.gov.in"

4. REJECTION

The production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

TABLE-1

(Recommended Levels of Control by BIS- for Guidance Only)

(1)				(3)		
Test Details				**Levels of Control**		
Cl.	**Requirement**	**Test Methods**		**No. of Sample**	**Frequency**	**Remarks**
		Clause	**Reference**			
8	Marking	8	IS 1258	Firm to have adequate in-process controls to check compliance of this parameter as per the tolerances given in the Indian Standard and appropriate records shall be maintained by the manufacturer for evidence of conformity		
9	Dimensions	9	IS 1258			
10	Protection against electric shock	10 16.3	IS 1258	As per Cl. 5.3 of IS 1258: 2024 / IEC 61184: 2017	Each Control Unit	
11	Terminals	11	IS 1258		Each Control Unit	
12	Provision for earthing	12	IS 1258		Once in a month	For each variety of Bayonet Lamp holder manufactured during that period
13	Construction	13	IS 1258		Once in a month	
14	Switched lamp holders	14	IS 1258		Once in a month	
15	Moisture resistance, insulation resistance and electrical strength	15	IS 1258		Once in a month	
16	Mechanical strength	16	IS 1258		Once in a month	
17	Screws, current-carrying parts and connections	17	IS 1258		Once in a month	
18	Creepage distances and clearances	18	IS 1258		Once in a month	
19	General resistance to heat	19	IS 1258		Once in every three months	
20	Resistance to heat, fire and tracking	20	IS 1258		Once in every three months	
21	Resistance to excessive residual stresses (season cracking) and to rusting	21	IS 1258		Once in every three months	