



IEC 61184: Edition 3.0 (2008)
TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING
Bayonet lampholders

R = Required by Lab

S = May be subcontracted

W = Witness testing

3PPS = Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
6.1	Exterior material	Stripe electrodes	R
7.6	Marking	Petroleum spirit, water, piece of cloth	R
8.1 – 8.2 8.3	Lampholder dimensions, threaded entries, set screws	Gauges according to IEC 60061-3, (IEC 60399 - shade support dimensions – as applicable), Figure 8 shade support dimensions, digital calliper (or equivalent), gauges according to figure 14, torque tester 0.5 Nm	R
9.1	Protection against electric shock	Testing device according to figure 7, standard test finger with force meter and electrical indicator according to IEC 60529.	R
10.3	Terminals	Digital calliper (or equivalent), (IEC 60598-1 Sections 14 and 15)	R
10.4	Escaped strand test	Calliper (4mm distance of stripped insulation)	R
10.5	Connecting leads	Pull test apparatus - 20N	R
11.3	Earth continuity	Earth continuity tester - 10A, voltmeter, torque tester	R



**IEC SYSTEM FOR CONFIRMITY TESTING
AND CERTIFICATION OF ELECTRICAL
EQUIPMENT**

COMMITTEE OF TESTING LABORATORIES

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12.1	Contact making faces	Digital calliper (or equivalent), Gauges according to IEC 60061-3, sheets 7006-15A and 7006-15B, device for measuring contact force (N)	R
12.6	Space for supply wires	Conduit - 10cm length, torque tester, 1.0/1.3Nm	R
12.8	Cord grip	Pull test apparatus - 60/80/120N, torque tester - 0.15/0.25/0.35Nm	R
12.11	Backplate lampholder	Gauge according to figure 3	R
13.4	Switched lampholders	Heating cabinet, variable voltage and current supply at stated power factor, switch make/break apparatus, test shade, temperature measuring device, draught free enclosure, test lamps	R
14.1	Drip proof lampholder	Drip proof tester – Fig. 3 of IEC 60529, timer	R
14.2	Humidity conditions	Humidity cabinet	R
14.3	Insulation resistance and electric strength	Insulation resistance tester - 500V, test caps according to figure 10 and 11, electric strength tester, short circuit current $\geq 200\text{mA}$	R
15.1	Mechanical strength, normal stress	Loading device according to figure 1, timer	R
15.2	Threaded entry	Torque tester - 1.2/2.0Nm, timer	R
15.3	External parts	Torque tester - 0.75/1.25Nm	R
15.4	Dome/treaded entry connection	Test apparatus according to figure 2, timer	R
15.5	External parts	Pendulum hammer according to IEC 60068-2-62	R
15.6	Metal external parts	Test apparatus according to figure 18	R
15.7	Entry spouts and glands	Torque spanner - 20/30Nm, cylindrical rods, timer	R
15.8	Backplate lampholders	Torque screw driver - 1.2Nm, flat steel sheet	R
16	Screws, current-carrying parts	Torque tester - 0.15-114.0Nm	R
17	Creepage distances and clearances	Proof tracking test apparatus according to IEC 60112, digital calliper (or equivalent), feeler gauges	R



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18.2	Resistance to heat, without temperature marking	Heating cabinet, temperature measuring device Test caps according to standard sheets 7004-10 and 7004-11 of IEC 60061-1	R
18.3	Temperature rise of contacts and current carrying parts	Torque screw driver, variable current supply, test caps according to figure 5 and 6, melting particles or thermocouples and temperature recorder	R
18.4	Resistance to heat	Test caps according to standard sheets 7004-10 / 7004-11, heating cabinet, temperature measuring device, Gauges according to standard sheets 7006-12A, 7006-12B, 7006-12C and 7006-12D of IEC 60061-3	R
18.6 - 18.7	Cycling test	Test cabinets, cycling control device, variable voltage supply, lamp cap temperature measuring devices, Gauges according to standard sheets 7006-12A, 7006-12B, 7006-12C and 7006-12D of IEC 60061-3	R
19	Resistance to heat, fire and tracking	Ball pressure test apparatus according to figure 17 (see also CTL D.S. N. 391.mod), heating cabinet, temperature measuring device Glow-wire test apparatus according to IEC 60695-2-1 Needle-flame test apparatus according to IEC 60695-2-2 Tissue paper according to ISO 4046 Tracking test apparatus according to IEC 60112	R
20.1	Season cracking	Acetone and petroleum spirit, heating cabinet and test apparatus according to Annex A, optical magnifier of 8x	R
20.2	Rusting	Closeable glass vessel, Ammonium chloride, box saturated with moisture, heating cabinet	R