



TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING

IEC 60320-2-4:2005-10, Edition 1.0

Appliance couplers for household and similar general purposes - Part 2-4: Couplers dependent on appliance weight for engagement

R=Required by Lab

S=May be subcontracted

3SPPS=Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
8	Check of markings	Water, petroleum spirit, piece of cloth	R
10.1	Protection against electrical shock	Figure 10: Standard test finger, Heating cabinet	R
14.1	Humidity treatment	Humidity chamber	R
14.2	Water spillage test	Appropriate test assembly	
15.2	Insulation resistance	Insulation test equipment	R
15.3	Electric strength	High voltage test equipment	R
16	Withdrawal force test	Appropriate test apparatus, weights	R
19 20	Breaking capacity Normal operation	Appropriate test apparatus, AC source, adjustable load (resistors and inductors), measuring instruments	R
21	Temperature rise	AC source, measuring instruments, temperature measuring device	R
23.5	Impact test	Figure 21: Apparatus for impact test	R



Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
23.7	Separation of parts	Weights or dynamometer, Apparatus for torque test	R
24.1.1	Resistance to heat	Heating cabinet	R
24.1.2	Ball pressure test	Apparatus for ball pressure test according to IEC 60695-10-2 Heating cabinet	R
24.2.	Resistance to ageing	Heating cabinet	R
25	Screws, current carrying parts and connections	Screw-driver and spanner with torque meter	R
26	Creepage distances, clearances	Caliper, appropriate gauges	R
27.1	Glow-wire test Needle-flame test	Test apparatus according to IEC 60695-2-10 Test apparatus according to IEC 60695-11-5	R
28	Resistance to rusting	Chemicals, humidity cabinet, heating cabinet	R

Note: The presence of equipment alone does not indicate a satisfactory situation. Assessors must evaluate the equipment design, calibration, uncertainty and documentation to ensure compliance with the directions of the standard. The requirements of ISO Guide 25 regarding validation are applicable, as the tests of this standard are not standardized tests.