



TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING

IEC 60320-2-2:1998-08, Edition 2.0

Appliance couplers for household and similar general purposes - Part 2-2: Interconnection couplers for household and similar equipment

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 close	R
9	Check of dimensions	Figures 9H; 9M; 101; 102; 103; 104: GO- and NOT-GO gauges, Caliper	R
10.1	Protection against electrical shock	Figure 10: Standard test finger, Heating cabinet	R
12.2	Test of screw-type terminals	Screw driver and spanner with torque meter, weights or dynamometer	R
13.4	Construction: Test for non-solid pins	Figure 11: Device for testing non-solid pins	R
14	Humidity treatment	Humidity chamber	R
15.2	Insulation resistance	Insulation test equipment	R
15.3	Electric strength	High voltage test equipment	R
16	Withdrawal force test	Figure 12: Apparatus for checking the withdrawal force Gauges for maximum withdrawal force (multi pin gauges) Gauges for minimum withdrawal force (single pin gauges)	R



Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
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
22.3	Torque test	Apparatus for torque test	R
22.4	Flexing test	Figure 17: Apparatus for flexing test	R
23.2	Tumbling barrel test	Tumbling barrel according to IEC 60068-2-32	R
23.3	Pulling test	Figure 19: Apparatus for pulling test	R
23.4	Pressure test	Figure 20: Apparatus for pressure test	R
23.5	Impact test	Figure 21: Apparatus for impact test	R
23.6	Deformation test	Figure 22: Blades for checking of the resistance against deformation, Heating cabinet	R
23.7	Separation of parts	Weights or dynamometer, Apparatus for torque test	R
23.8	Pressure test	Figure 24: Apparatus for pressure test on connectors	R
24.1.1	Resistance to heat	Heating cabinet	R
24.1.2	Ball pressure test	Figure 23: Apparatus for ball pressure test, Heating cabinet	R
24.1.3	Pressure test	Figure 24: Apparatus for pressure test on connectors, 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	Test apparatus according to IEC 60695-2-10	R
27.2	Resistance to tracking	Test apparatus according to IEC 60112	R



Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
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.