National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PHOENIX CONTACT (INDIA) PVT. LTD, A 58/2 OKHLA INDUSTRIAL AREA PHASE 2, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- INKS, DYES & PIGMENTS	Printed articles	Quick Test 96h Xenon arc	ISO 4892-2
2	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Exposure to outdoor weathering	DIN EN ISO 877-2
3	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Immersion Test for 168 Hours (In Ethanol, Acetone, Sodium hydroxide 0.1 M, Sodium chloride 10%,IRM 901,IRM 902,IRM 903 & Petrol)	ISO 175
4	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Immersion Test for 168 Hours (in Methyl Ethyl Ketone)	UL-969
5	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Immersion Test for 48 Hours (Fuel Oil No.2)	UL-969
6	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	LABS Test(class A1/B2)	VDMA 24364
7	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Scratch Resistance	DIN EN ISO 1518-1
8	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Tape test(Without cross cutting)	DIN EN ISO 2409
9	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Ten Day Oven Test (High Temperature Test 105°C, 121, 150°C, 180°C, 230°C, 250°C)	UL-969
10	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Wipe Resistance of print (Using Ethanol, Acetone, Iso propyl alcohol, 0.1M Sodium hydroxide, n-Hexane)	IEC 61010-1
11	CHEMICAL- INKS, DYES & PIGMENTS	Printing Ink & Printed Material	Wipe Resistance of print (Using Water & Petroleum Ether)	IEC 62208
12	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic/Electrical Connectors	Salt mist	IEC 60068-2-11:2021/ DIN EN 60068-2-11
13	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	PCB terminal block for copper conductor	Ageing Test Climatic Sequence & Corrosion Test	Test 11 of IEC 60512-11-9:2002, Test 11 of IEC 60512-11-10:2002, ISO 6988:1985, Cl. No. 9.4.7 of IEC 60947-7-4
14	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks	Mold Stress Relief Test	Section 16, 23 & 45 of UL 1059

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15	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Cold Test	IEC 60068-2-1:2007, IS 9000 Part (2)sec 1 to 4
16	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Composite Temperature / Humidity Cyclic Test	IEC 60068-2-38 PRV
17	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Damp Heat, Cyclic (12 h + 12 h Cycle)	IS 9000 Part :1981(Reaffirmed :2019),IEC 60068-2-30
18	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Damp Heat, Steady State	IEC 60068-2-78:2012, IS 9000 Part (4)
19	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Dry Heat Test	IEC 60068-2-2:2007, IS 9000 Part (3) sec 1 to 5
20	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Glow Wire Test	IS 11000 (Part 2/Sec1):2018, cl. No. 8.1.5 IEC 60947-7-4:2019, Cl. No. 9.15 of IEC 60898-1:2015+AMD1:2019 CSV, IEC 60695-2-10:2021, IEC 60695-2-11
21	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Needle Flame Test	IS 11000 (Part 2/Sec2):2008(Reaffirmed :2019), IEC 60695-11-5
22	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Resistance to Heat	Cl. No. 9.14 of IEC 60898-1: 2015 +AMD1 2019 CSV,IEC 60695-10-2
23	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Rough Handling Shocks, Primarily for Equipment-Type Specimens	IEC 60068-2-31
24	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Shock Test (Half Sine)	IS 9000 (Part-7 / Sec 1):2018, IEC 61373:2010, DIN EN 50155:2018, IEC 60068-2-27
25	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Special test in saturated atmosphere containing Sulfur dioxide (SO2)	DIN 50018
26	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Vibration Broadband Random and Guidance	IEC 61373:2010, DIN EN 50155:2018, IEC 60068-2-64: 2008+AMD1
27	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Terminal Blocks & Switch Gears	Vibration Test (Sinusoidal)	IS 9000: (Part 8):1981(Reaffirmed : 2021), IEC 60068-2-6:2007, IEC 61373

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28	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Circuit Breakers for A.C. Operation	Di-Electric Properties	Cl. No. 9.7 of IEC 60898-1: 2015+AMD1
29	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	PCB Terminal Block for Copper Conductors	Di-Electric Test	Cl. No. 9.4.3 of IEC 60947-7-4
30	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	PCB Terminal Block for Copper Conductors	Impulse Withstand Voltage Test	Cl. No. 9.4.3 of IEC 60947-7-4
31	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Protective Conductor Terminal Block for Copper Conductors	Di-Electric Test	Cl. No. 8.3.3.4.1 of IEC 60947-1:2020, Cl. No. 8.4.3 of IEC 60947-7-2
32	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Protective Conductor Terminal Block for Copper Conductors	Impulse Withstand Voltage Test	Cl. No. 8.3.3.4.1 of IEC 60947-1:2020, Cl. No. 8.4.3 of IEC 60947-7-2
33	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Terminal Block for Copper Conductors	Di-Electric Test	Cl. No. 8.3.3.4.1 of IEC 60947-1:2020, Cl. No. 8.4.3 of IEC 60947-7-1
34	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Terminal Block for Copper Conductors	Impulse Withstand Voltage Test	Cl. No. 8.3.3.4.1 of IEC 60947-1:2020, Cl. No. 8.4.3 of IEC 60947-7-1
35	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Terminal Blocks	Di-Electric Voltage Withstand Test	Section 12, 24, 32, 41 & 45 of UL 1059
36	ELECTRICAL- SAFETY TESTING FACILITY	Circuit Breakers for A.C. Operation	Protection against Electric Shock	Cl. No. 9.6 of IEC 60898-1: 2015AMD1
37	ELECTRICAL- SAFETY TESTING FACILITY	Circuit Breakers for A.C. Operation	Resistance to Heat	Cl. No. 9.14 of IEC 60898-1: 2015AMD1
38	ELECTRICAL- SAFETY TESTING FACILITY	Circuit Breakers for A.C. Operation	Temperature Rise	Cl. No. 9.8 of IEC 60898-1: 2015+AMD1
39	ELECTRICAL- SAFETY TESTING FACILITY	Circuit breakers for A.C. operation	Test of effect of Single-Pole Loading on the Tripping Characteristics of Multipole Circuit-Breakers	Cl. No. 9.10.4 of IEC 60898-1: 2015+AMD1
40	ELECTRICAL- SAFETY TESTING FACILITY	Circuit Breakers for A.C. Operation	Test of Instantaneous Tripping, of Correct Opening of the Contacts and of the Trip Free Function	Cl. No. 9.10.3 of IEC 60898-1: 2015AMD1
41	ELECTRICAL- SAFETY TESTING FACILITY	Circuit breakers for A.C. operation	Test of Time Current Characteristics	Cl. No. 9.10.2 of IEC 60898-1: 2015AMD1
42	ELECTRICAL- SAFETY TESTING FACILITY	Circuit Breakers for A.C. Operation	Test of Tripping Characteristics	Cl. No. 9.10 of IEC 60898-1: 2015+AMD1

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43	ELECTRICAL- SAFETY TESTING FACILITY	Circuit breakers for AC operation	Test of effect of Ambient Temperature on the Tripping Characteristics	Cl. No. 9.10.5 of IEC 60898-1: 2015+AMD1
44	ELECTRICAL- SAFETY TESTING FACILITY	Equipment wiring terminal for use with Aluminum and/or copper conductor	Mechanical Sequence	Section 7.4, 8.4, 9.4 of UL 486 E
45	ELECTRICAL- SAFETY TESTING FACILITY	Fuse terminal block	Service life test	Cl. No. D8.5.1 of IEC 60947-7-1
46	ELECTRICAL- SAFETY TESTING FACILITY	Low voltage switch gear & control gear assemblies	Protection against electric shock Protection against unintentional direct contact with hazardous live parts	EN 50274
47	ELECTRICAL- SAFETY TESTING FACILITY	PCB terminal block for copper conductor	Clearance and Creepage Distances	Cl. No. 9.4.2.2 & 9.4.2.3 of IEC 60947-7-4
48	ELECTRICAL- SAFETY TESTING FACILITY	PCB Terminal Block for Copper Conductors	Flexion Test	Cl. No. 9.6 of IEC 60999-1
49	ELECTRICAL- SAFETY TESTING FACILITY	PCB Terminal Block for Copper Conductors	Pull Out Test	Cl. No. 9.5 of IEC 60999-1
50	ELECTRICAL- SAFETY TESTING FACILITY	PCB Terminal Block for Copper Conductors	Temperature Rise Test	IEC 60512-5-2:2002, Cl. No. 9.4.5 of IEC 60947-7-4
51	ELECTRICAL- SAFETY TESTING FACILITY	Protective Conductor Terminal Block for Copper Conductors	Attachment of the Terminal Block on its Support	Cl. No. 8.3.2 of IEC 60947-7-1
52	ELECTRICAL- SAFETY TESTING FACILITY	Protective Conductor Terminal Block for Copper Conductors	Flexion Test	Cl. No. 8.3.3.2 of IEC 60947-7-1
53	ELECTRICAL- SAFETY TESTING FACILITY	Protective Conductor Terminal Block for Copper Conductors	Mechanical Strength of Clamping Unit	Cl. No. 8.2.4.1 & Cl. No. 8.2.4.2, IEC 60947-1:2020, Cl. No. 8.3.3.1, IEC 60947-7-2
54	ELECTRICAL- SAFETY TESTING FACILITY	Protective Conductor Terminal Block for Copper Conductors	Pull Out Test	Cl. No. 8.3.3.3 of IEC 60947-7-1
55	ELECTRICAL- SAFETY TESTING FACILITY	Protective Conductor Terminal Block for Copper Conductors	Rated Cross Section and Rated Connection Capacity	Cl. No. 8.3.3.4 & 8.3.3.5 of IEC 60947-7-1
56	ELECTRICAL- SAFETY TESTING FACILITY	Protective Conductor Terminal Block for Copper Conductors	Temperature Rise Test	Cl. No. 8.4.5 of IEC 60947-7-2
57	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block	Solid Wire Tightening Test	Section 13, 23 & 45 of UL 1059
58	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block	Spacing	Section 8, 36, 45 & 47 of UL 1059
59	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block	Tab Pull Test	Section 14, 23 & 45 of UL 1059

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60	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block	Temperature Rise	Section 11, 23, 31, 40 & 45 of UL 1059
61	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block for Copper Conductors	Attachment of the Terminal Block on its Support	Cl. No. 8.3.2 of IEC 60947-7-1
62	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block for Copper Conductors	Clearance and Creepage Distances	Cl. No. 8.4.2.2 & 8.4.2.3 of IEC 60947-7-1
63	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block for Copper Conductors	Flexion Test	Cl. No. 8.3.3.2 of IEC 60947-7-1
64	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block for Copper Conductors	Mechanical Strength of Clamping Unit	Cl. No. 8.2.4.1 & 8.2.4.2 of IEC 60947-1:2007, Cl. No. 8.3.3.1 of IEC 60947-7-1
65	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block for Copper Conductors	Pull Out Test	Cl. No. 8.3.3.3 of IEC 60947-7-1
66	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Block for Copper Conductors	Temperature Rise Test	Cl. No. 8.4.5 & D8.4.5 of IEC 60947-7-1
67	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Blocks	Connection & Support	Section 46 of UL 1059
68	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Blocks	Protective Conductor Mounting Rails	Section 49 of UL 1059
69	ELECTRICAL- SAFETY TESTING FACILITY	Terminal Blocks	Verification of Performance of Terminal Assemblies	Section 15, 23 & 45 of UL 1059
70	ELECTRICAL- SHORT CIRCUIT TEST FACILITY	PCB Terminal Block for Copper Conductors	Short Time Withstand Current Test	Cl. No. 9.4.6 of IEC 60947-7-4
71	ELECTRICAL- SHORT CIRCUIT TEST FACILITY	Protective Conductor Terminal Block for Copper Conductors	Short Time Withstand Current Test	Cl. No. 8.4.6 of IEC 60947-7-1
72	ELECTRICAL- SHORT CIRCUIT TEST FACILITY	Terminal Block	Short Time Current Sequence (Service Application)	Section 51 of UL 1059
73	ELECTRICAL- SHORT CIRCUIT TEST FACILITY	Terminal Block for Copper Conductors	Short Time Withstand Current Test	Cl. No. 8.4.6 & D8.4.6 of IEC 60947-7-1
74	ELECTRICAL- SHORT CIRCUIT TEST FACILITY	Terminal Blocks	Short Time Current Sequence (Commercial and Industrial Application)	Section 50 of UL 1059
75	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breakers for A.C. Operation	Indelibility of Marking	Cl. No. 9.3 of IEC 60898-1: 2015AMD1
76	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breakers for A.C. Operation	Reliability of Screws, Current Carrying Parts and Connection	Cl. No. 9.4 of IEC 60898-1: 2015AMD1

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77	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breakers for A.C. Operation	Reliability of Screws, Type Terminals for External Conductors	Cl. No. 9.5 of IEC 60898-1: 2015AMD1
78	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuse Terminal Blocks	Terminal Identification and Marking	Cl. No. 7.1.4 of IEC 60947-7-1
79	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	PCB Terminal Block for Copper Conductors	Attachment of the PCB Terminal Block on its Support	Cl. No. 9.3.2 of IEC 60947-7-4
80	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	PCB Terminal Block for Copper Conductors	Constructional Requirements	Cl. No. 8.1 of IEC 60947-7-4
81	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	PCB Terminal Block for Copper Conductors	Product Information	Cl. No. 6 of IEC 60947-7-4
82	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	PCB Terminal Block for Copper Conductors	Terminal Identification and Marking	Cl. No. 8.1.4 of IEC 60947-7-4
83	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	PCB Terminal Block for Copper Conductors	Verification of Contact Resistance	Cl. No. 9.4.4 of IEC 60947-7-4
84	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	PCB Terminal Block for Copper Conductors	Verification of Maximum Cross Section (Special Test with Gauges)	Cl. No. 9.3.4 of IEC 60947-7-4
85	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	PCB Terminal Block for Copper Conductors	Verification of Maximum Cross Section and Connection Capacity	Cl. No. 9.3.4 of IEC 60947-7-4
86	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Protective Conductor Terminal Block for Copper Conductors	Ageing Test	Cl. No. 8.4.7 of IEC 60947-7-2
87	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Protective Conductor Terminal Block for Copper Conductors	Constructional Requirements	Cl. No. 7 of IEC 60947-7-2
88	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Protective Conductor Terminal Block for Copper Conductors	Product Information	Cl. No. 5 of IEC 60947-7-2
89	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Protective Conductor Terminal Block for Copper Conductors	Terminal Identification and Marking	Cl. No. 7.1.4 of IEC 60947-7-2
90	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Protective Conductor Terminal Block for Copper Conductors	Voltage Drop	Cl. No. 8.4.4 of IEC 60947-7-1

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91	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Block for Copper Conductors	Ageing Test	Cl. No. 8.4.7 & D8.4.7 of IEC 60947-7-1
92	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Block for Copper Conductors	Constructional Requirements	Cl. No. 7 of IEC 60947-7-1
93	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Block for Copper Conductors	Product Information	Cl. No. 5 of IEC 60947-7-1
94	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Block for Copper Conductors	Rated Cross Section and Rated Connection Capacity	Cl. No. 8.3.3.4 & 8.3.3.5 of IEC 60947-7-1
95	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Block for Copper Conductors	Service Life Test	Cl. No. D8.5.1 of IEC 60947-7-1
96	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Block for Copper Conductors	Terminal Identification and Marking	Cl. No. 7.1.4 of IEC 60947-7-1
97	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Block for Copper Conductors	Voltage Drop	Cl. No. 8.4.4 & D8.4.4 of IEC 60947-7-1
98	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Conditioning	Section 30 & 39 of UL 1059
99	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Identification	Section 48 of UL 1059
100	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Marking	Section 18, 26, 35, 44, 45 & 53 of UL 1059
101	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Material	Section 6 of UL 1059
102	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Rating	Section 17, 25, 43, 45 & 52 of UL 1059
103	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Secureness and Pullout Test	Section 29 & 38 of UL 1059
104	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Verification of Performance of Terminal Assemblies	Section 15, 23 & 45 of UL 1059

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105	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal Blocks	Wiring Terminal	Section 7, 20, 36 & 45 of UL 1059
106	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connector for electronic equipment	Contact disturbance	IEC 60512-2-5
107	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Bending (flexing) test	Cl. No. 6.14.3, 7.3.10 of IEC 61984
108	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Bending (flexing) test	Cl. No. 6.3.6 of IEC 62852:2014+AMD1 CSV
109	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Cable anchorage test for non-armoured cable	Cl. No. 9.3 of IEC 62444
110	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Cable clamp (pull)	Cl. 5.14.1 of IEC 62852: 2014+AMD1 2020 CSV & IEC 60512-17-3
111	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Cable clamp (torsion)	Cl. 5.14.1of IEC 62852: 2014+AMD1 2020 CSV & IEC 60512-17-4
112	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Cable clamp resistance to cable pull	Cl. No. 6.17 of IEC 61984: 2008, IEC 60512-17-3
113	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Cable clamp resistance to cable torsion	Cl. No. 6.17 of IEC 61984: 2008, IEC 60512-17-4

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114	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Cold test	IEC 60512-11-10
115	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Connection Capacity Test	Cl. No. 9.1,9.2 & 9.3 of IEC 60999-1
116	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Constructional Requirements	Cl. No. 6 of IEC 61984
117	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Contact resistance	IEC 60512-2-1
118	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Contact Resistance	IEC 60512-2-1:2002, Cl. 6.45 of IEC 61076-2-111:2017, Cl. 5.2.4 of IEC 61076-2-101:2012, Cl. 5.2.4 of IEC 61076-2-109:2014, Cl. 6.4.4 of IEC 61076-2-113
119	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Contact retention in insert	Cl. 5.15.2 of IEC 62852: 2014+AMD1 2020 CSV & IEC 60512-15-1
120	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Contact Retention in Insert	IEC 60512-1-1:2002, IEC 60512-15-1
121	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Damp heat, cyclic	IEC 60512-11-12

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122	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Degree of protection	Cl. 5.4.2 & 6.3.3.1 of IEC 62852: 2014+AMD1
123	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Dielectric strength	Cl. 6.3.8 (b) of IEC 62852: 2014+AMD1 2020 CSV & IEC 60512-4-1
124	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Documentation	Cl. 8.4 of IEC 61535
125	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Durability of marking	Cl. 5.2 & 6.3.2 of IEC 62852: 2014+AMD1
126	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Effectiveness s of connector coupling device	Cl. 5.17 & 6.3.14 of IEC 62852: 2014+AMD1 2020 CSV & IEC 60512-15-6
127	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Electrical load and temperature	Cl. 6.4.4 of IEC 61076-2-111:2017, Cl. 5.2.3 of IEC 61076-2-101:2012, Cl. 5.2.3 of IEC 61076-2-109:2014, Cl. 6.4.3 of IEC 61076-2-113:2017, IEC 60512-9-2
128	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Flammability	Cl. 5.19.2 (c) & 5.19.3 (c) of IEC 62852: 2014+AMD1 2020 CSV & IEC 60695-2-11
129	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Flexion Test	Cl. No. 9.4 of IEC 60999-1

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130	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Gauge retention force	Cl. 5.5 of IEC 61076-2-111:2017, Cl. 4.5 of IEC 61076-2-101:2012, Cl. 4.4.1 of IEC 61076-2-109:2014, Cl. 5.5 of IEC 61076-2-113
131	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	General Condition for tests	Cl. 5 of IEC 62444
132	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Insertion and Withdrawal	Cl. 6.3.13 of IEC 62852: 2014, Cl. 6.5.3 of IEC 61076-2-111:2017, Cl. 5.3.3 of IEC 61076-2-101:2012, Cl. 5.3.3 of IEC 61076-2-109:2014, Cl. 6.6.3 of IEC 61076-2-113:2017, IEC 60512-13-2
133	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Insulation resistance	Cl. 6.4.6 of IEC 61076-2-111:2017, Cl. 5.2.5 of IEC 61076-2-101:2012, Cl. 5.2.5 of IEC 61076-2-109:2014, Cl. 6.4.5 of IEC 61076-2-113:2017, IEC 60512-3-1
134	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Insulation resistance and electric strength	Cl. 14 of IEC 61535
135	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Marking and Identification	Cl. No. 6.2 of IEC 61984
136	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Markings	Cl. 8.3 of IEC 61535
137	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Mechanical strength at lower temperature	Cl. 5.15 & 6.3.10 of IEC 62852: 2014 +AMD1

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138	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Mechanical strength impact	Cl. No. 6.18.1, 6.18.3 of IEC 61984: 2008, IEC 60512-7-2
139	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Polarisation	Cl. 5.3 of IEC 62852: 2014+AMD1 2020 CSV & IEC 60512-13-5
140	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Polarizing method	Cl. 6.5.5 of IEC 61076-2-111:2017, Cl. 5.3.5 of IEC 61076-2-101:2012, Cl. 5.3.5 of IEC 61076-2-109:2014, Cl. 6.6.5 of IEC 61076-2-113
141	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Pre Conditioning	Cl. No. 7.2.1 of IEC 61984
142	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Provision against Incorrect Mating Polarisation & Coding	IEC 60512-13-5:2006, Cl. No. 6.3 of IEC 61984
143	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Provision for earthing	Cl. 6.5.3 & 7.3.13 of IEC 61984
144	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Provision for earthing (First make, last break" protective earthing contact)	Cl. No. 7.3.3 of IEC 61984
145	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Pull Out Test	Cl. No. 9.5 of IEC 60999-1
146	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Rapid change of temperature	IEC 60512-11-4

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147	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Resistance to fluids	IEC 60512-19-3
148	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Temperature rise	Cl. 16 of IEC 61535
149	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Temperature rise test	Cl. 5.13 & 6.3.4 of IEC 62852: 2014+AMD1 2020 CSV & IEC 60512-5-1
150	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Torque Test	Cl. No. 9.6 of IEC 60999-1:1999, Cl. No. 7.2.3 of IEC 61984
151	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Visual Examination	IEC 60512-1-1
152	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Visual Examination Tests	IEC 60512-1:2018, Cl. No. 7.2.1 of IEC 61984
153	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Voltage proof	Cl. 6.4.2 of IEC 61076-2-111:2017, Cl. 5.2.2 of IEC 61076-2-101:2012, Cl. 5.2.2 of IEC 61076-2-109:2014, Cl. 6.4.2 of IEC 61076-2-113:2017, IEC 60512-4-1
154	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for Electronic Equipment	Voltage Proof	IEC 60512-4-1:2003, Cl. No. 7.3.12 of IEC 61984: 2008, Cl. 6.4.2 of IEC 61076-2-111:2017, Cl. 5.2.2 of IEC 61076-2-101:2012, Cl. 5.2.2 of IEC 61076-2-109:2014, Cl. 6.4.2 of IEC 61076-2-113

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155	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Connectors for electronic equupment	Provision for earthing (First make, last break" protective earthing contact)	Cl. No. 7.3.3 of IEC 61984
156	ELECTRONICS- EMC TEST FACILITY	Connectors for Electronic Equipment	Impulse Withstand	IEC 60060-1:2010, Cl. No. 7.3.12 of IEC 61984
157	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Degree of protection IP code	Cl. No. 7.3.6.3, 7.3.7,6.12 of IEC 61984 (IP1X,IP2X,IP4X, IP5X,IP6X, IPX7, IPX8)
158	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Degree of protection IP code	Cl. No. 6.3.3.2, 5.9 of IEC 62852:2014+AMD1 (IP1X,IP2X,IP4X, IP5X,IP6X, IPX7, IPX8)
159	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Dry Heat	IEC 60512-11-9:2002, IEC 60512-1-1:2002, Cl. No. 6.6.3, 6.8, 6.15 & 6.18.3 of IEC 61984
160	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Dust test for first characteristic numerals 5 and 6	Cl. No. 13.4 of IEC 60529:1989+A1:1999 +A2
161	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	IP degree of protection	Cl. No. 5.3.1 of IEC 61076-2-109 (IP6X, IPX7)
162	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Test for second characteristic numeral 7: temporary immersion between 0,15 m and 1 m (IPX7)	Cl. No. 14.2.7 of IEC 60529:1989+A1:1999 +A2
163	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Test for second characteristic numeral 8: continuous immersion subject to agreement. (IP X8)	Cl. No. 14.2.8 of IEC 60529:1989+A1:1999 +A2
164	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Tests for protection against access to hazardous parts indicated by the first characteristic numeral	Cl. No. 12 of IEC 60529:1989+A1:1999+A2 (IP1X,IP2X,IP4X,5X,6X)
165	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for Electronic Equipment	Vibration test	Cl. 6.6.1 of IEC 61076-2-111:2017, Cl. 5.3.6 of IEC 61076-2-101:2012, Cl. 5.3.6 of IEC 61076-2-109:2014, Cl. 6.7.1 of IEC 61076-2-113:2017, IEC 60512-6-4

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166	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Connectors for electronics equipment	Cold Test	IEC 60512-1-1:2002, Cl. No. 6.6.3, 6.8, 6.15 & 6.18.3 of IEC 61984
167	ELECTRONICS- SAFETY TESTING FACILITY	Connectors for Electronic Equipment	Insulation Resistance	IEC 60512-3-1: 2002, Cl. 6.4.6 of IEC 61076-2-111:2017, Cl. 5.2.5 of IEC 61076-2-101:2012, Cl. 5.2.5 of IEC 61076-2-109:2014, Cl. 6.4.5 of IEC 61076-2-113
168	ELECTRONICS- SAFETY TESTING FACILITY	Connectors for Electronic Equipment	Mechanical Operation	IEC 60512-9-1:2010, Cl. No. 7.3.9 of IEC 61984: 2008, Cl. 6.5.1 of IEC 61076-2-111:2017, Cl. 5.3.2 of IEC 61076-2-101:2012, Cl. 5.3.2 of IEC 61076-2-109:2014, Cl. 5. Cl. 6.3.5 of IEC 62852: 20145 ,Cl. No. 6.6.1 of IEC 61076-2-113
169	ELECTRONICS- SAFETY TESTING FACILITY	Connectors for Electronic Equipment	Protection against Electric Shock	Cl. No.5 of IEC 60529:1989 (A1:1999 + A2:2013), Cl. No. 6.4 ,7.3.6 & 7.3.7 of IEC 61984
170	ELECTRONICS- SAFETY TESTING FACILITY	Connectors for Electronic Equipment	Temperature Rise	IEC 60512-5-1:2002, IEC 60512-5-2:2002, Cl. No. 7.3.8 of IEC 61984