Electrical Tests

ELECTRICAL / EMC TESTING

CONTACT RESISTANCE	APPLICABLE STANDARD
Minimum res. 1 µΩ	ISO/IEC 17025 Accreditated test: BS EN / IEC 60512-2-1 ; BS EN / IEC 60512-2-2
	Standard which we are specialist: EIA-364-06; EIA-364-23; SAE AS39029; VG95234; VG95328; VG96929; VG95351; VG96934; VG95319-2; MIL-DTL-26482; MIL-DTL-38999; AFNOR NF F 61-030

INSULATION RESISTANCE & INSULATION RESITANCE AT HIGH TEMPERATURE	APPLICABLE STANDARD
1 - 1500 VDC ; 100 Ω - 2000 TΩ	ISO/IEC 17025 Accreditated test: BS EN / IEC 60512-3-1
Up to 260°C	Standard which we are specialist: EIA-364-21; VG95234; VG95328; VG96929; VG95351; VG96934; VG95319-2; MIL-DTL-26482; MIL-DTL-38999; SAE AS 50151; AFNOR NF F 61-030; MIL-DTL-38999; MIL-DTL-26482

DIELECTRIC WITHSTANDING VOLTAGE SEA LEVEL & ALTITUDE	APPLICABLE STANDARD
AC Voltage 50 Hz - 60Hz : 0 - 50 KVAC ; Max I. Leak: 300mA	ISO/IEC 17025 Accreditated test: BS EN / IEC 60512-3-1
DC Voltage: 1 - 1500 VDC	Standard which we are specialist: EIA-364-21; VG95328; VG96929; VG95351; VG96934; VG95234; VG95319-2; EIA-364-20; MIL-DTL-26482; MIL-DTL-38999; AFNOR NF F 61-030
Pressure 5mBar	

CURRENT TEMPERATURE RISE AND CURRENT DE-RATING	APPLICABLE STANDARD
DC Current : 0 - 2000 Ampere	ISO/IEC 17025 Accreditated test: BS EN / IEC 60512-5-1 ; BS EN / IEC 60512-5-2
	Standard which we are specialist: AFNOR NF F 61-030; VG95328; VG96929; VG95319-2; VG95234; EIA-364-70

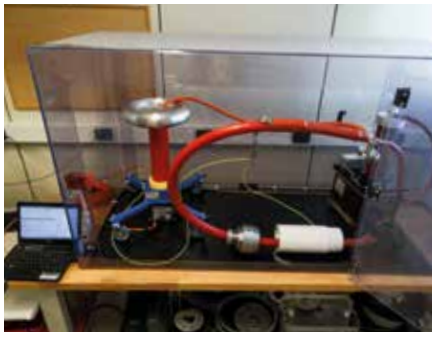
PARTIAL DISCHARGE	SPECIFICATION APPLICABLE
AC Voltage 50 Hz - 60Hz : 0 - 50 KVAC ; Max I. Leak: 300mA	Standard which we are specialist: ASTM D 1868-07; IEC 60270; EN 2591-227
PD event time resolution: < 2 ns	
Minimum PD level: 4 pC	
Center frequency 0 Hz ÷32 MHz	
Frequency domain bandwidth: 9 kHz, 40 kHz, 100 kHz, 160 kHz, 300kHz, 650kHz, 1MHz, 1.5MHz	

HOUSING / SHELL-TO-SHELL CONDUCTIVITY	SPECIFICATION APPLICABLE
Resolution: 0,001mV	ISO/IEC 17025 Accreditated test: BS EN / IEC 60512-2-6
	Standard which we are specialist: EIA-364-83; MIL-DTL-26482; MIL-DTL-38999; VG95234; VG95328; VG96929; VG95351; VG96934; VG95319-2

EMC-EMI	APPLICABLE STANDARD
Shielding effectiveness	ISO/IEC 17025 Accreditated test: BS EN / IEC 62153-4-7
Tiaxial Method	Standard which we are specialist: VG95328; VG96929; VG96934; VG95319-2; VG95234; MIL-DTL-26482; MIL-DTL-38999
9 kHz - 2,6 GHz ; 90dB max.	

MAGNETIC PERMEABILITY	SPECIFICATION APPLICABLE
1.5µ ; 2.0µ ; 2.5µ	Standard which we are specialist: EIA-364-54; ASTM A342/A342M; MIL-DTL-26482; MIL-DTL-38999

Electrical / EMC Testing services cover the complete range of performance requirements for interconnect cabling and electronic components. Glenair brings years of EMC design engineering experience into the testing process, ensuring equipment under test is always correctly fixtured and prepared for the most accurate results.

Available Tests:

- **Contact resistance**
- **Dielectric withstanding voltage (DWV)**
- **Current rating**
- **Insulation resistance**
- **EMC shielding**
- **Partial discharge**