Trac. motor & PWR test

1. Winding phase to phase resistance & inductance of the traction motors

- Set RLC meter frequency 100 Hz , measurement type L button H (Henry)
- Set mili ohmmeter to the max test power .

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R - resistance
L 1,2,3 - phase U, W, V
(RL _max - RL_min) / (( RL1+RL2+RL3) x 3 ) x 100
```

Accepted parameters:

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R <5% (mili-ohmmeter)
L < 1% (RLC meter)
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2. Dielectric Absorption Ratio

• Set measuring intervals to 15 - 60 sec

3. Shorted IGBT (PWR) check

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+ - / - + between the transistors
+- / -+ to earth
> 4-5 kOhm
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4. Traction motors insulation test

Set voltage to 2000-4000 V

