

TDB 028



???????? ? : Ø28 ? ? ? ? ? ? ? ? ? ? B ? ? ? ? ? IP20 Type : CLOSED

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Sensor ø28mm for Type B Earth Leakage Relays

B series sensors are able to measure AC and DC currents with a DC-10kHz bandwidth, and 1mA resolution. TDB sensors have an integrated degauss function with DC offset zeroing, which is by relay command. This function sets to zero the DC current measuring errors (DC offset) caused by terrestrial magnetic field, permanent magnets, DC coil, temperature drifts, mechanical shocks or vibrations. The measuring error of the RMS current (AC+DC) is proportional to the line

current and it depends on the geometrical layout of the conductors passing through the sensor hole. It also depend on the distance and the geometrical layout of the nearby conductors passing outside the sensor hole. The I_n setting <100mA will be possible only by centering the conductors and with controlled environment conditions (temperature, vibration, EMI).

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