

# ETHOS 9250 SPECIFICATION

## Earth Continuity

Output Current	200mA minimum into 2Ω
Test Voltage (o/c)	9V DC nominal
Test Duration (Class I Test)	2s nominal
Display Range	0.01 ohm to 19.99 ohm
Pass Value (Class I Test)	0.2Ω

## Insulation Resistance

Test Voltage	250/500VDC @1mA nominal, < 2mA (s/c)
Test Duration (Class I or II)	2s
Display Range	0.01 Mohm to 19.99 Mohm
Pass Value	1.0 MΩ Class I 2.0 MΩ Class II

## Equivalent Leakage

Test Voltage	40V Nominal AC 50Hz Open Circuit
Test Duration	2s – 30s nominal
Display Range	0.1 mA to 19.99mA
Pass Value	0.75mA CLI / 0.25mA CL II

## IEC Lead Test

Test Voltage	5V DC nominal
Test Duration	Time for test (2s max)
Test	Live / Neutral Checks for o/c, s/c and crossed



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## Protective Conductor Current

Test Voltage	Supply Voltage, max current 13A
Test Duration	30s maximum
Display Range	0.15 mA to 9.99 mA
Pass Value	0.75mA/3.5mA (user selectable with 0.75mA as default)

## Touch Current

Test Voltage	Supply Voltage, max current 13A
Test Duration	30s maximum
Display Range	0.10 mA to 5.00 mA
Pass Value	0.25mA

## 3 phase differential leakage current\*

Test Voltage	3 phase supply voltage
Test Duration	Continuous measurement
Display Range	0.10 mA to 9.99 mA
Pass Value	3.5mA

\* Requires 3 phase adaptor accessory

## RCD Trip Time

Test Voltage	Mains supply voltage
Test Current	10mA / 30mA rms sinusoidal
Test Current Phase	0°/180° auto switched on alternate tests
Measuring Range	0ms – 500ms
Pass Value	200ms

## Power Socket Check

Input voltage range	225 – 254V AC max current 13A UK
Indicates configuration of voltage potential	Line potential phase to earth
	Line potential phase to neutral
	Line potential neutral to earth

**ETHQS**  
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