



TRANSMISSION SYSTEM DEPARTMENT /
MEASUREMENTS AND INSTRUMENTS SECTION
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SPECIFICATION TMO1102-ΔΚ

TEST SOCKETS AND PLUGS FOR CHECKING THE MEASUREMENT CIRCUITS

I. SCOPE

The present specification covers the supply of Test Sockets and Test Plugs for voltage and current measurement circuits. The Test sockets and plugs are to be used for the check and the regulation of the measurement circuits without disturbing the operation of the circuits in question.

II. GENERAL REQUIREMENTS

1. Test sockets for voltage circuits

Mounting: Flush mounting .

Connection: Rear connection with 4 mm² conductors

Contacts for conductor connection: eight (8)

Nominal voltage: 380V AC, 440V DC.

Nominal current: ≥ 8 A

Maximum current: ≥ 25 A/5sec, 800A/25sec.

Power frequency withstand voltage: 2500V 50Hz -1 min

The test sockets for voltage circuits will be equipped with a cover, which will ensure the continuity of circuit. Besides, the continuity of circuit shall be ensured when the cover is also taken off (is unplugged).

In any case it will be possible via control to confirm the suitability of contacts and the continuity of the measurement circuits.

2. Test sockets for current circuits

Mounting: Flush mounting .

Connection: Rear connection with 6 mm² conductors

Contacts for conductor connection: eight (8)

Nominal voltage: 380V AC, 440V DC.

Nominal current: ≥ 15 A

Maximum current: $\geq 200\text{A}/1\text{sec}$, $100\text{A}/5\text{sec}$.

Power frequency withstand voltage: 2500V 50Hz -1 min

The test sockets for current circuits will be equipped with a cover, which will ensure the continuity of circuit. Besides, the continuity of circuit shall be ensured when the cover is also taken off (is unplugged).

In any case it will be possible via control to confirm the suitability of contacts and the continuity of the measurement circuits.

3. TEST PLUGS FOR VOLTAGE CIRCUITS

Together with the test sockets for voltage circuits, appropriate plugs will be provided (if they are foreseen in the inquiry), so that the regulations and the measurements of the measurement circuits are carried out.

Each plug will bear eight (8) pins of equivalent cross-section.

4. TEST PLUGS FOR CURRENT CIRCUITS

Together with the test sockets for current circuits, appropriate plugs will be provided (if they are foreseen in the inquiry), so that the regulations and the measurements of the measurement circuits are carried out.

Each plug will bear eight (8) pins of equivalent cross-section.