

इंटरनेट

मानक

### Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4007-2-1 (1983): Terminals for Electronic Equipment, Part 2: Detail Terminals, Section 1: Terminal, Insulated, with Insulated Captive Screw Cap, Type TSC 1 [LITD 3: Electromechanical COmponents and Mechanical Structures for Electronic Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



BLANK PAGE



Indian Standard

**SPECIFICATION FOR  
TERMINALS FOR ELECTRONIC EQUIPMENT  
PART 2 DETAIL SPECIFICATION FOR TERMINALS  
Section 1 Terminal, Insulated, with Insulated  
Captive Screw Cap, Type TSC 1**

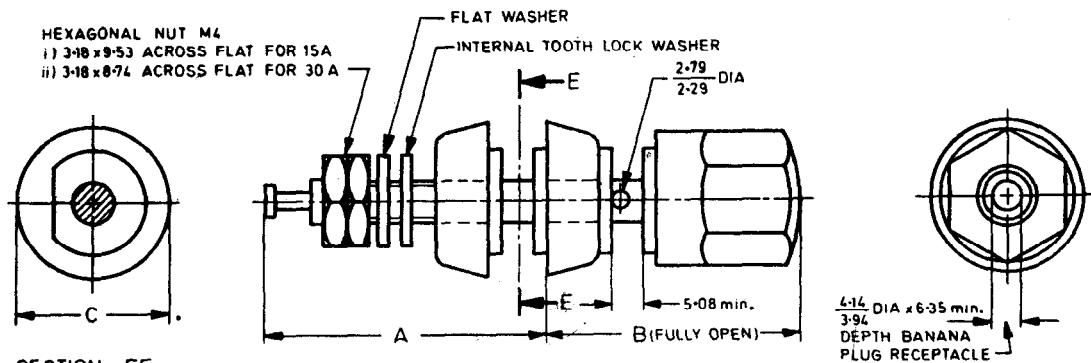
**1. Scope** — This standard ( Part 2/Sec 1 ) covers detail requirements of terminals, non-insulated, with insulated captive screw cap, type TSC 1 and shall be read in conjunction with IS : 4007 ( Part 1 )-1982 'Specification for terminals for electronic equipment: Part 1 General requirements and tests ( first revision )'.

**2. Climatic Test Severities**

Temperature severity	55/85°C	10/70°C
Damp heat ( steady state )	56 days	21 days
Damp heat ( cyclic )	6 cycles	2 cycles
Low air pressure	4.4 kPa	30 kPa
Vibration	10 to 55 Hz, Duration — 6 hours Amplitude displacement — 0.75 mm	
Impact	500 m/s <sup>2</sup> , 5 minutes	

**3. Outline Drawing and Dimensions** — See Table 1.

**TABLE 1 DIMENSIONS OF TERMINAL TYPE TSC 1**



Terminal Type	Reference			Working Voltage AC (rms) or DC (V)	Maximum Current (A)	Mounting Plate Thickness	Insulation Colour	Sealed/ Non-Sealed
	A	B	C					
TSC1 - 15A	17.53	26.29	12.70	230	15	1.57 to 4.78	Red or black	Sealed or non-sealed
TSC1 - 30A	22.10 to 23.11	30.15 to 26	16	230	30	1.57 to 6.35	Red or black	Sealed or non-sealed

- Note 1** — Unless otherwise specified, tolerances are  $\pm 0.40$  mm.
- Note 2** — Drawing depicts only general design characteristics and is not intended to limit specific manufacturing process. Shape of insulated portion is optional.
- Note 3** — Wire hole shall be at right angles to non-turn feature.
- Note 4** — All dimensions are in mm.
- Note 5** — All insulated portion of terminals to be of same colour as of cap.

**EXPLANATORY NOTE**

This standard is based on JSS 52710 - Jan 1974 'Specification for terminals, captive screw cap and captive spring loaded', published by Ministry of Defence. In addition to climatic severities specified in JSS-52710-Jan 1974, the climatic severities for commercial usage have been included in this standard.

Adopted 18 November 1983

© January 1984, BIS

Gr 1

Electromechanical Components for Electronic Equipment Sectional Committee, LTDC 7 [ Ref : Doc : LTDC 7 ( 546 ) ]