

(PREVIEW)

## *Indian Standard*

# **ELECTRICAL INSTALLATIONS IN SHIPS - SPECIFICATION PART 5 SPECIAL FEATURES**

### **Section 3 ac Supply Systems with Voltages in the Range Above 1 kV Up to and Including 11 kV**

#### **1 SCOPE**

This standard (Part 5/Sec 3) covers supply systems with voltages from 1 kV up to 11 kV. The requirements contained in other part of IS 10242 apply where appropriate, subject to the exceptions stated in the following clauses.

#### **2 REFERENCES**

The Indian Standards listed in Annex A are necessary adjuncts to this standard.

#### **ANNEX A**

( Clause 2.1 )

#### **LIST OF REFERRED INDIAN STANDARDS**

<i>IS No.</i>	<i>Title</i>
2026 ( Part 1 ) : 1677	Power transformers : Part 1 General ( <i>first revision</i> )
2026 (Part 2) : 1977	Power transformers : Part 2 Temperature rise
2026 ( Part 3 ) : 1981	Power transformers : Part 3 Insulation level and dielectric tests ( <i>second revision</i> )
2026 ( Part 4 ) : 1977	Power transformers: Part 4 Terminal marking tappings and connections ( <i>first revision</i> )
2147 : 1982	Specification for degrees of protection provided by enclosures for low voltage switchgear and controlgear
2165 ( Part 1 ) : 1977	Specification for insulation coordination: Part 1 Phase to earth insulation coordination
2165 ( Part 2 ) : 1983	Specification for insulation coordination: Part 2 Phase to phase insulation coordination principles and rules
3427 : 1969	Metal-enclosed switchgear controlgear for voltage above 1 000 V but not exceeding 1 000 volts
4691 : 1985	Specification for degrees of protection provided by enclosure for rotating electrical machinery ( <i>first revision</i> )

5553 ( Part 1 ) : 1989	Reactors: Part 1 General
5553 ( Part 2 ) : 1989	Reactors: Part 2 Shunt reactors
5553 Part 3 ) : 1989	Reactors: Part 3 Current limiting reactors and neutral earthing reactors
5553 ( Part 4 ) : 1990	Reactors: Part 4 damping reactors
5553 (Part 5) : 1990	Reactors: Part 5 Tuning reactor
5553 ( Part 6 ) : 1991	Reactors: Part 6 Earthing transformers ( Neutral couplers)
5553 ( Part 7 ) : 1990	Reactors: Part 7 Arc suppression reactors
5553 ( Part 8 ) : 1990	Reactors: Part 8 Smoothing reactors
9385	High voltage fuses
9902 : 1982	Recommended practice for leak testing
10242 ( Part 3 /Sec 1 ) : 1983	Electrical installations in ships: Part 3 Equipment, Section 1 Generators and motors
10212 ( Part 3/Sec 2 ) : 1984	Electrical installations in ships: Part 3 Equipment, Section 2 Switchgear and controlgear assemblies
12360: 1988	Specification for voltage bands for electrical installations including preferred voltages and frequency ( superseding IS 585 )
13118 : 1991 IEC Pub 56 (1987)	High-voltage alternating current circuit-breakers
13947 (Part 2) : 1993	LV switchgear and controlgear: Part 2 circuit breakers
IEC Pub 947-2 (1989)	[ superseding IS 2516 ( Parts ) 1 & 2/Sec 1 ): 1985 ]