(PREVIEW)

Indian Standard

RECIPROCATING INTERNAL COMBUSTION ENGINE DRIVEN ALTERNATING CURRENT GENERATING SETS

PART 4 CONTROLGEAR AND SWITCHGEAR

1 Scope

This part of ISO 8528 specifies the criteria for controlgear and switchgear for generating sets with reciprocating internal combustion engines.

It applies to Alternating Current (a.c.) generating sets driven by Reciprocating Internal Combustion (RIC) engines for land and marine use excluding generating sets used on aircraft or to propel land vehicles and locomotives.

For some specific applications (e.g. essential hospital supplies and high-rise buildings), supplementary requirements may be necessary. The provisions of this part of ISO 8528 should be regarded as a basis for establishing any supplementary requirements.

For generating sets driven by other prime movers (e.g. steam engines), this part of ISO 8528 should be regarded as a basis for establishing these requirements.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6826, *Reciprocating internal combustion engines — Fire protection*

ISO 8528-1[2)], *Reciprocating internal combustion engine driven alternating current generating sets — Part 1: Application, ratings and performance*

ISO 8528-5[2)], *Reciprocating internal combustion engine driven alternating current generating sets — Part 5: Generating sets*

IEC 60034-1, *Rotating electrical machines — Part 1: Rating and performance*

IEC 62271-200, *A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV*

IEC 60439-1, *Low-voltage switchgear and controlgear assemblies — Part 1: Type-tested and partially type-tested assemblies*

IEC 60947-1, *Low-voltage switchgear and controlgear — Part 1: General rules*

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2) ISO 8528-1 and ISO 8528-5 are under revision.