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Titolo	Electrical machines diagnosis [[e-book] /] / edited by Jean-Claude Trigeassou
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Descrizione fisica	1 online resource (352 p.)
Collana	ISTE
Altri autori (Persone)	TrigeassouJean-Claude
Disciplina	621.31/0420288 621.310420288
Soggetti	Electric apparatus and appliances - Maintenance and repair Electric machinery - Maintenance and repair Electric fault location Electronic books.
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Faults in electrical machines and their diagnosis -- Modeling induction machine winding faults for diagnosis -- Closed-loop diagnosis of the induction machine -- Induction machine diagnosis using observers -- Thermal monitoring of the induction machine -- Diagnosis of the internal resistance of a lead-acid car battery by the implementation of an invalidation method of the model : application to the estimation of the crankability -- Diagnosing induction machine electrical and mechanical faults using signal processing -- Fault diagnosis of the induction machine by neural networks -- Detecting and diagnosing faults in a static converter.
Sommario/riassunto	Monitoring and diagnosis of electrical machine faults is a scientific and economic issue which is motivated by objectives for reliability and serviceability in electrical drives.This book provides a survey of the techniques used to detect the faults occurring in electrical drives: electrical, thermal and mechanical faults of the electrical machine,

faults of the static converter and faults of the energy storage unit. Diagnosis of faults occurring in electrical drives is an essential part of a global monitoring system used to improve reliability and serviceability. This diagnosis is perf