

Jaycar Short Circuits

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short circuit currents gives an overview of the components within power systems with respect to the parameters needed for short circuit current calculation

this book provides an understanding of the nature of short circuit currents current interruption theories circuit breaker types calculations according to ansi ieee and iec standards theoretical and practical basis of short circuit current sources and the rating structure of switching devices the book aims to explain the nature of short circuit currents the symmetrical components for unsymmetrical faults and matrix methods of solutions which are invariably used on digital computers it includes innovations worked examples case studies and solved problems

cd rom contains 2 software programs to carry out simplified short circuit calculations

reflecting the changes to the all important short circuit calculations in three phase power systems according to iec 60909 0 standard this new edition of the practical guide retains its proven and unique concept of explanations calculations and real life examples of short circuits in electrical networks it has also been completely revised and expanded by 20 to include the standard compliant prevention of short circuits in electrical networks for photovoltaics and wind energy by understanding the theory any software allows users to perform all the necessary calculations with ease so they can work on the design and application of low and high voltage power systems this book is a practitioner s guide intended for students electrical engineers engineers in power technology the electrotechnical industry engineering consultants energy suppliers chemical engineers and physicists in industry

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