

Application guide for the selection of high-voltage current-limiting fuse-links for transformer circuits

ICS 29.120.50

National foreword

This Published Document was published by BSI. It is the UK implementation of IEC/TR 60787:2007. It supersedes BS 6553:1984 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/32, Fuses.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 May 2007

© BSI 2007

ISBN 978 0 580 50801 1

Amendments issued since publication

Amd. No.	Date	Comments

TECHNICAL REPORT

IEC TR 60787

First edition
2007-03

Application guide for the selection of high-voltage current-limiting fuse-links for transformer circuits



Reference number
CEI/IEC/TR 60787:2007

CONTENTS

1	Scope and object.....	3
2	Normative references	3
3	Features of current limitation	3
4	Fuse-link time-current characteristics	4
5	Coordination.....	5
6	Other ratings and requirements	6
6.1	Rated voltage	6
6.2	Rated maximum breaking current	6
6.3	Rated minimum breaking current and class:	6
6.3.1	Fuse-links used in combination or association with other switching devices.....	6
6.3.2	Fuse-links used as the only protection on the HV side of the transformer.....	7
6.3.3	Fuse-links used to provide short-circuit protection in combination with expulsion fuse-links	7
7	Selection of rated currents of fuse-links for transformer circuit applications	8
Figure 1 – Comparison of operating Joule integral (I^2t) for current-limiting fuses and non-current-limiting devices		4
Figure 2 – Characteristics relating to the protection of the HV/LV transformer circuit		9