

ISBN 978-0-626-35805-1

SANS 60099-1:1999

Edition 1.1 and nat. amdt 1

IEC 60099-1:1999

Edition 3.1

Any reference to SABS IEC 60099-1 is deemed
to be a reference to this standard
(Government Notice No. 1373 of 8 November 2002)

SOUTH AFRICAN NATIONAL STANDARD

Surge arresters

Part 1: Non-linear resistor type gapped surge arresters for a.c systems

This national standard is the identical implementation of IEC 60099-1:1999, and is adopted with the permission of the International Electrotechnical Commission.

Published by the South African Bureau of Standards
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001
Tel: +27 12 428 7911 Fax: +27 12 344 1568

www.sabs.co.za

© SABS

SABS

This page has been left blank intentionally



COPYRIGHT PROTECTED DOCUMENT

© SABS

In terms of the Standards Act 8 of 2008, the copyright in all South African National Standards or any other publications published by the SABS Standards Division, vests in the SABS. Any use of South African National Standards is limited to use specifically prescribed by the SABS. In the case of a South African National Standard based on an international standard, ownership of the copyright vests in the organization from which the SABS adopted the standard, whether it be under licence or membership agreement. The SABS is obliged to protect such copyright and is authorized to make the relevant international organization aware of any misuse thereof. Unless exemption has been granted, no extract or full text of any South African National Standard may be copied, reproduced, stored in a retrieval system or transmitted in any form or by any means without prior written permission from the SABS Standards Division. This does not preclude the free use, in the course of implementing the standard, of necessary details such as symbols, and size, type or grade designations. If these details are to be used for any purpose other than implementation, prior written permission must be obtained.

Details, advice and limitations of use can be obtained from the Manager: Standards Sales and Information Services. Tel: +27 (0) 12 428 6883 email: sales@sabs.co.za

SABS – Standards Division

The objective of the SABS Standards Division is to develop, promote and maintain South African National Standards. This objective is incorporated in the Standards Act, 2008 (Act No. 8 of 2008).

The SABS continuously strives to improve the quality of its products and services and would therefore be grateful if anyone finding an inaccuracy or ambiguity while using this standard would inform the secretary of the technical committee responsible, the identity of which can be found in the foreword.

Buying Standards

Contact the Sales Office for South African and international standards, which are available in both electronic and hard copy format. Tel: +27 (0) 12 428 6883 email: sales@sabs.co.za

South African National Standards are also available online from the SABS Webstore www.store.sabs.co.za

Information on Standards

SABS Customer Services provide comprehensive standards-related information on national, regional and international standards. Tel: +27 (0) 12 428 7911 / 0861 27 7227 email: info@sabs.co.za

SANS 60099-1:1999

Edition 1.1 and nat. amdt 1

IEC 60099-1:1999

Edition 3.1

Table of changes

Change No.	Date	Scope
IEC amdt 1	1999	Amended to change the requirements for arrester identification and for long-duration current withstand, to change the parameters for wet tests, to add limits for switching impulse sparkover voltage for heavy-duty arresters and to replace the "pressure-relief tests" with "short-circuit tests".
Nat. amdt 1	2007	Amended to change the designation from SABS to SANS, with no technical changes.

National foreword

This South African standard was prepared by National Committee SABS/TC 067/SC 05, *Electricity distribution systems and components – Electricity distribution*, in accordance with procedures of the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This SANS document was published in September 2007.

This SANS document supersedes SABS IEC 60099-1:1999 (edition 1.1).

Compliance with this document cannot confer immunity from legal obligations.

<p>Reaffirmed and reprinted in February 2018. This document will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.</p>
--

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60099-1

Edition 3.1

1999-12

Edition 3:1991 consolidée par l'amendement 1:1999
Edition 3:1991 consolidated with amendment 1:1999

Parafoudres –

**Partie 1:
Parafoudres à résistance variable avec
éclateurs pour réseaux à courant alternatif**

Surge arresters –

**Part 1:
Non-linear resistor type gapped surge arresters
for a.c. systems**

© IEC 1999 Droits de reproduction réservés — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission
Telefax: +41 22 919 0300

e-mail: inmail@iec.ch

3, rue de Varembeé Geneva, Switzerland
IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

X

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*