

SLOVENSKI STANDARD SIST EN 60869-1:2001

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SIST EN 180000:1999

Fibre optic attenuators - Part 1: Generic specification (IEC 60869-1:1999)

Fibre optic attenuators -- Part 1: Generic specification

Lichtwellenleiter Dämpfungsglieder -- Teil 1: Fachgrundspezifikation

iTeh STANDARD PREVIEW

Atténuateurs à fibres optiques -- Partie 1: Spécification générique (standards.iteh.ai)

Ta slovenski standard je istoveten z:TEN EN 60869-1:2000

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Fibre optic interconnecting

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Fibre optic attenuators

Part 1: Generic specification

(IEC 60869-1:1999)

Atténuateurs à fibres optiques Partie 1: Spécification générique (CEI 60869-1:1999) Lichtwellenleiter Dämpfungsglieder Teil 1: Fachgrundspezifikation (IEC 60869-1:1999)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

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Page 2 EN 60869-1:2000

Foreword

The text of document 86B/1248/FDIS, future edition 3 of IEC 60869-1, prepared by SC 86B, Fibre optic interconnecting devices and passive components, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60869-1 on 1999-12-01.

This European Standard supersedes EN 180000:1995.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement

(dop) 2000-09-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2002-12-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative. Annex ZA has been added by CENELEC.

iTeh STA Endorsement notice VIEW

The text of the International Standard IEC 60869-1:1999 was approved by CENELEC as a European Standard without any modification.

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Page 3 EN 60869-1:2000

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	<u>Title</u>	EN/HD	Year
IEC QC 001001	1998	Basic rules of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
IEC QC 001002-2	1998	Rules of Procedure of the IEC Quality Assessment System for Electronic Components (IECQ) Part 2: Documentation D PREVIEW	<u>-</u>	-
IEC QC 001002-3	1998	Part 3 Approval procedures eh.ai)	-	-
IEC Guide 102	1996// _S	SIST EN 60869-1:2001 a Electronic icomponents by Specification eea-4cdd-by structures for quality-assessment (Qualification approval and capability approval)	77a3-	-
IEC 60027	series	Letter symbols to be used in electrical technology	HD 245	series
IEC 60050-731	1991	International electrotechnical vocabulary (IEV) Chapter 731: Optical fibre communication	<u>-</u> 1	-
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60617	series	Graphical symbols for diagrams	EN 60617	series
IEC 60695-2-2	1991	Fire hazard testing Part 2: Test methods Section 2: Needle-flame test	EN 60695-2-2	1994
IEC 60825-1 + corr. December	1993 1994	Safety of laser products Part 1: Equipment classification, requirements and user's guide	EN 60825-1 + corr. February + A11 + corr. July	1994 1995 1996 1997
A1	1997			-

SIST EN 60869-1:2001

Page 4

EN 60869-1:2000

Publication	Year	<u>Title</u>	EN/HD	Year
ISO 129	1985	Technical drawings - Dimensioning - General principles, definitions, methods of execution and special indications	-	-
ISO 286-1	1988	ISO system of limits and fits Part 1: Bases of tolerances, deviations and fit	EN 20286-1	1993
ISO 370	1975	Toleranced dimensions - Conversion from inches into millimetres and vice versa	-	-
ISO/DIS 1101	- - - - -	Geometrical Product Specifications (GPS) Geometrical tolerancing Generalities, definitions, symbols, indications on drawings	-	-
ISO 8601	1988	Data elements and interchange formats Information interchange - Representation of dates and times	EN 28601	1992

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Atténuateurs à fibres optiques -

Partie 1: Spécification générique

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Part 1:

Generic specification

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International Electrotechnical Commission

Telefax: +41 22 919 0300

3, rue de Varembé Geneva, Switzerland

e-mail: inmail@iec.ch IEC web site http://www.iec.ch



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CONTENTS

			F	Page
FΟ	REWC	RD		7
INT	RODU	JCTION		9
Cla	ıse			
1	Cono	rol		11
1				
	1.1	•		
	1.2		tive references	
_	1.3		ons	
2	•		S	
	2.1	Classification		
		2.1.1	Type	
		2.1.2	Style	
		2.1.3	Variant	
		2.1.4	Environmental category	
		2.1.5	Assessment level	
		2.1.6	Normative reference extensions	. 21
	2.2	Docum	entation.e.hS.T.A.N.D.A.R.DP.R.E.V.IE.W	. 23
		2.2.1	Symbols Specification system dards.iteh.ai)	. 23
		2.2.2	Specification system	. 23
		2.2.3	Drawings	. 25
		2.2.4	Tests and measurements	. 25
		2.2.5	Drawings Tests and measurements https://standards.iteh.a/catalog/standards/sist/8eb2a886-8eea-4cdd-b7a3- Test data sheets Test data sheets Test data sheets	. 27
		2.2.6	Instructions for use	. 27
	2.3	Standa	rdization system	. 27
		2.3.1	Interface standards	. 27
		2.3.2	Performance standards	. 29
		2.3.3	Reliability standards	. 29
		2.3.4	Interlinking	. 31
	2.4	Design	and construction	. 35
		2.4.1	Materials	. 35
		2.4.2	Workmanship	. 35
	2.5	Quality		. 35
	2.6	2.6 Performance		. 35
	2.7	Identifi	cation and marking	. 35
		2.7.1	Variant identification number	. 35
		2.7.2	Component marking	. 37
		2.7.3	Package marking	. 37
	2.8	Packag	jing	. 37
	2.9	2.9 Storage conditions		
	2.10	ŭ		
3		•	ssment procedures	
	3.1	-	y stage of manufacture	
	3.2	-	rally similar components	

Clause		ı	Page
3.3	Qualification approval procedures		. 39
	3.3.1	Fixed sample procedure	41
	3.3.2	Lot-by-lot and periodic procedures	. 41
	3.3.3	Qualifying specimen	. 41
	3.3.4	Sample size	. 41
	3.3.5	Preparation of specimens	. 41
	3.3.6	Qualification testing	. 41
	3.3.7	Qualification failures	. 41
	3.3.8	Maintenance of qualification approval	. 43
	3.3.9	Qualification report	. 43
3.4	Quality	conformance inspection	. 43
	3.4.1	Lot-by-lot inspection	. 43
	3.4.2	Periodic inspection	. 45
3.5	Certifie	ed record of released lots	45
3.6	Delayed deliveries		
3.7	Delivery release before completion of group B tests		
3.8		tive test methods	
3.9	Unchecked parameters		

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN 60869-1:2001</u> https://standards.iteh.ai/catalog/standards/sist/8eb2a886-8eea-4cdd-b7a3-efcffc9277d7/sist-en-60869-1-2001 60869-1 © IEC:1999

-7-

INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC ATTENUATORS -

Part 1: Generic specification

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards; 2886-8eea-4cdd-b/a3-
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60869-1 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 1994 and constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
86B/1248/FDIS	86B/1283/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

The QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

The committee has decided that this publication remains valid until 2008.

At this date, in accordance with the committee's decision, the publication will be

- reconfirmed;
- withdrawn;
- · replaced by a revised edition, or
- amended.

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-9-

INTRODUCTION

This part of IEC 60869 is divided into three clauses.

Clause 1 is entitled "General" and contains general information pertaining to this generic specification.

Clause 2 is entitled "Requirements" and contains all the requirements to be met by attenuators covered by this standard. This includes requirements for classification, the IEC specification system, documentation, materials, workmanship, quality, performance, identification, and packaging.

Clause 3 is entitled "Quality assessment procedures" and contains all of the procedures which must be followed for proper quality assessment of products covered by this standard.

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- 11 -

FIBRE OPTIC ATTENUATORS -

Part 1: Generic specification

General

1.1 Scope

This part of IEC 60869 applies to fibre optic attenuators. These have all of the following general features:

- they are passive in that they contain no opto-electronic or other transducing elements;
- they have two ports for the transmission of optical power and attenuate the transmitted power in a fixed or variable fashion;
- the ports are optical fibres or optical fibre connectors.

This standard establishes uniform requirements for the following:

- attenuator requirements;
- quality assessment procedures.

Teh STANDARD PREVIEW This standard does not cover test and measurement procedures, which are described in IEC 61300-1, in the serie IEC 61300-2 and the serie 61300-3.

1.2 Normative references

SIST EN 60869-1:2001

https://standards.iteh.ai/catalog/standards/sist/8eb2a886-8eea-4cdd-b7a3-The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60869. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60869 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC QC 001001:1998, Basic rules of the IEC Quality Assessment System for Electronic Components (IECQ)

IEC QC 001002-2:1998, Rules of Procedure of the IEC Quality Assessment System for Electronic Components (IECQ) - Part 2: Documentation

IEC QC 001002-3:1998, Rules of procedure of the IEC Quality Assessment System for Electronic Components (IECQ) – Part 3: Approval procedures

IEC Guide 102:1996, Electronic components - Specification structures for quality assessment (Qualification approval and capability approval)

IEC 60027 (all parts), Letter symbols to be used in electrical technology

IEC 60050(731):1991, International Electrotechnical Vocabulary (IEV) - Chapter 731: Optical fibre communication

IEC 60410:1973, Sampling plans and procedures for inspection by attributes

IEC 60617 (all parts), Graphical symbols for diagrams