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**IEC
PAS 60027-6**

First edition
2004-09

**Letter symbols to be used
in electrical technology –
Control technology**

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Reference number
IEC/PAS 60027-6:2004(E)

Publication numbering

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

K

For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LETTER SYMBOLS TO BE USED IN ELECTRICAL TECHNOLOGY –
CONTROL TECHNOLOGY**

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A PAS is a technical specification not fulfilling the requirements for a standard but made available to the public.

IEC-PAS 60027-6 has been processed by IEC technical committee 25: Quantities and units, and their letter symbols.

The text of this PAS is based on the following document:

This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document

Draft PAS	Report on voting
25/271/NP	25/283/RVN

Following publication of this PAS, the technical committee or subcommittee concerned will investigate the possibility of transforming it into an International Standard.

LETTER SYMBOLS TO BE USED IN ELECTRICAL TECHNOLOGY – CONTROL TECHNOLOGY

Introductory note

This Publicly Available Specification (PAS) is intended to replace section 11 of IEC 60027-2:2000.

In comparison to section 11 of IEC 60027-2:2000 the following has been altered.

- The number of physical quantities and of their symbols listed in this PAS has been increased significantly. New sections for general quantities and functions, for characteristic quantities of the step response, for parameters of transfer elements and control loops, and for mapping functions and their quantities have been included.
- The hitherto existing series of reserve symbols has been deleted. Four symbols out of this series have been used as new symbols for main quantities.
- The presentation of the denotation of some mathematical concepts specific to the field formerly given in 11.4 has been removed to the column “remarks” of the relevant tables.

1 Scope

This PAS is applicable to control technology. It gives names and symbols for quantities, signals and functions, and their units.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60027-1:1992, *Letter symbols to be used in electrical technology - Part 1: General.*

IEC 60027-2:2000, *Letter symbols to be used in electrical technology – Part 2: Telecommunications and electronics*

IEC 60050-101:1998, *International Electrotechnical Vocabulary – Part 101: Mathematics*

IEC 60050-351:1998, *International Electrotechnical Vocabulary – Part 351: Automatic control*

ISO 31-2:1992, *Quantities and units – Part 2: Periodic and related phenomena*

ISO 31-5:1992, *Quantities and units – Part 5: Electricity and magnetism.*