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**Thermal-links — Requirements and
application guide**

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In the event of any doubts arising as to the contents,
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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	2
3 Terms and definitions	3
4 General requirements	6
5 General notes on tests	6
6 Classification	8
7 Marking	9
8 Documentation	10
9 Constructional requirements	11
10 Electrical requirements	16
11 Temperature tests	20
12 Resistance to rusting	22
13 Manufacturer's validation programme	22
Annex A (normative) Application guide	24
Annex B (normative) Alternative ageing test for thermal-links with T_h greater than 250 °C for use in electric irons	26
Annex C (normative) Conductive heat ageing test	27
Annex D (informative) Extended holding temperature evaluation	32
Annex E (normative) Seal ageing test	33
Annex F (normative) Identification requirements	35
Annex G (normative) Indelibility of marking	36
Annex H (normative) Requirements for thermal-link packaged assemblies	37
Annex JA (normative) Requirements to be applied where the manufacturer specifies the median of functioning temperature values as rated functioning temperature, T_f	41
Annex JB (informative) Comparison table between JIS and corresponding International Standard	42

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act. This edition replaces the previous edition (**JIS C 6691**:2016), which has been technically revised.

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Thermal-links — Requirements and application guide

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 60691** : 2015, Edition 4, and its Amendment 1:2019 with some modifications of the technical contents made corresponding to actual production and application of the product in Japan. The amendment to the said International Standard has been incorporated into this Standard.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB. Annex JA is unique to **JIS** and not given in the corresponding International Standard.

1 Scope

This Standard is applicable to thermal-links intended for incorporation in electrical appliances, electronic equipment and component parts thereof, normally intended for use indoors, in order to protect them against excessive temperatures under abnormal conditions. Guidance for application of thermal links is given in Annex A.

This Standard is applicable to thermal-links with a rated voltage not exceeding 690 V a.c. or d.c. and a rated current not exceeding 63 A.

NOTE 1 The equipment is not designed to generate heat.

NOTE 2 The effectiveness of the protection against excessive temperatures logically depends upon the position and method of mounting of the thermal-link, as well as upon the current which it is carrying.

This Standard may be applicable to thermal-links for use under conditions other than indoors, provided that the climatic and other circumstances in the immediate surroundings of such thermal-links are comparable with those in this Standard.

This Standard may be applicable to thermal-links in their simplest forms (e.g. melting strips or wires), provided that molten materials expelled during function cannot adversely interfere with the safe use of the equipment, especially in the case of hand-held or portable equipment, irrespective of its position and movement.

Annex H of this Standard is applicable to thermal-link packaged assemblies where the thermal-link(s) has already been approved to this Standard but packaged in a metallic or non-metallic housing and provided with terminals and/or wiring leads.

Annex JA of this Standard is applicable to thermal-links for which the manufacturer specifies the median value of functioning temperature as T_f .

Objectives of this Standard are

- a) to establish uniform requirements for thermal-links,
- b) to define methods of test,