



MALAYSIAN STANDARD

**MS 616 : PART 2 :
SECTION 2 : 2000**

**SWITCHES FOR HOUSEHOLD AND SIMILAR
FIXED ELECTRICAL INSTALLATIONS :
PART 2 : PARTICULAR REQUIREMENTS :
SECTION 2 : REMOTE - CONTROL SWITCHES
(RCS)
(IEC 60669-2-2 : 1996 AND ITS AMENDMENT 1
: 1997)**

ICS : 29.120.40

Descriptors : electromagnetic remote-control switches (RCS) intended for household and similar fixed electrical installations, either for indoors or outdoors

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Committee representation

The Electrotechnical Industry Standards Committee under whose supervision this Malaysian Standard was developed, comprises representatives from the following Government Ministries, Trade, Commerce and Manufacturer Associations and Scientific and Professional Bodies.

Jabatan Bekalan Elektrik & Gas
Jabatan Kerja Raya
Jabatan Telekom Malaysia
Lembaga Kemajuan Perindustrian Malaysia
Ministry of Domestic Trade and Consumer Affairs
Malaysian Electrical Appliances and Distributors Association
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Electrical Switchgear, Controlgear and Wiring Accessories which developed this Malaysian Standard consists of the following representatives:

Encik Jeffrey H. T. Ng (Chairman)	Clipsal (Malaysia) Sdn. Bhd.
Encik Tan Boon Chong (Vice Chairman)	Clipsal Industries (Holdings) Limited
Tn. Hj. Mohd b. Ismail (Secretary)	SIRIM QAS Sdn. Bhd.
Encik Lim Say Leong	ABB Installation Material (East Asia) Pte. Ltd.
Encik Kong Kok Ming	PLK Sdn. Bhd.
Encik Low Chin Heng	MK Electric (M) Sdn. Bhd.
Encik Mat Shaleh Osman	Delta Switchgear Sdn. Bhd.
Encik Tan Tian Boon	Delta Switchgear Sdn. Bhd.
Encik Joseph Kow E.L.	PDL Industries Sdn. Bhd.
Encik Khoo Lin Siang	Time Era Sdn. Bhd.
Encik Subramaniam	Clipsal Manufacturing (M) Sdn. Bhd.
Encik S. T. Hong	Trimlite Enterprise (M) Sdn. Bhd.
Encik Zulkepily Abd. Wahid	Tenaga Nasional Berhad
Encik Zulkefli Yaacob	Jabatan Kerja Raya
Tn. Hj. Abd. Aziz b. Abd. Rahman	Jabatan Bekalan Elektrik & Gas
Puan Nur Fadhilah Muhammad	SIRIM QAS Sdn. Bhd.

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A special Working Group on Specification for Switches, comprising of the following members was set up by the Technical Committee to assist with the development of the Preliminary Draft Malaysian Standard:

Encik Tan Boon Chong (Chairman)	Clipsal Industries (Holdings) Limited
Tn. Hj. Mohd b. Ismail (Secretary)	SIRIM QAS Sdn. Bhd.
Encik Victor Stanley	Clipsal Mfg. (M) Sdn. Bhd.
Encik Tan Tian Boon	Delta Switchgear Sdn. Bhd (KL)
Encik Kong Kok Meng	PLK Sdn. Bhd.
Encik Low Chin Heng	MK Electric (M) Sdn. Bhd.
Encik Joseph Kow E.L.	PDL Industries Sdn. Bhd.
Encik Raymond Lee	United MS Electrical Mfg. (M) Sdn. Bhd.
Encik Zulkeply Abd. Wahid	Tenaga Nasional Berhad
Encik Zulkefli Yaakob	Jabatan Kerja Raya
Tn. Hj. Abd. Aziz b. Abd. Rahman	Jabatan Bekalan Elektrik & Gas
Puan Amzidah Ahmad / Puan Roslinah Abdullah Encik Abdul Hfiz Ahmad Encik Ishkaharrudin Ahmad	SIRIM QAS Sdn. Bhd.

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FOREWORD

This Malaysian Standard was developed by the Technical Committee on Electrical Switchgear, Controlgear and Wiring Accessories under the authority of the Electrotechnical Industry Standards Committee.

The standard is technically equivalent to IEC 60669-2-2 : 1996 and its Amendment 1 : 1997 except the requirements for the ambient temperature which have been modified to suit the local conditions.

This standard is part of the first revision and an extension of the scope of MS 616 : 1991, which has been separated to the following four parts:

- a) MS 616 : Part 1 : Switches for household and similar fixed electrical installations:
Part 1: General requirements.
- b) MS 616 : Part 2 : Section 1 : Switches for household and similar fixed electrical installations:
Part 2 : Particular requirements : Section 1: Electronic switches.
- c) MS 616 : Part 2 : Section 2 : Switches for household and similar fixed electrical installations:
Part 2 : Particular requirements : Section 2 : Remote-control switches (RCS).
- d) MS 616 : Part 2 : Section 3 : Switches for household and similar fixed electrical installations:
Part 2 : Particular requirements : Section 3 : Time-delay switches (TDS).

This Section of MS 616 : Part 2 shall be used in conjunction with MS 616 : Part 1 which lists down the changes necessary to convert that standard into Malaysian Standard.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.