

Australian Standard[®]

Electromagnetic door holders

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Australian Fire Authorities Council
Australian Fire Protection Association
Commonwealth Fire Board
Department of Arts and Administrative Services — Australian Construction Services
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Electromagnetic door holders

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PREFACE

This Standard was prepared by the Standards Australia Committee on Gaseous Fire Extinguishing Systems, as a separate Standard from that covering the system's electrical components because the door holders are used in many areas which may or may not be serviced by a gaseous fire extinguishing system.

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STANDARDS AUSTRALIA

Australian Standard

Electromagnetic door holders

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies design, performance and testing of electromagnetic door holders.

1.2 APPLICATION This Standard applies to electromagnetic door holders, intended for general use but does not cover the installation of electromagnetic door holders. Electromagnetic door holders should be installed in accordance with the requirements of both the door and holder manufacturers. Ancillary devices, such as push-button releases, are permissible, provided they do not detract from this Standard.

Electromagnetic door holders shall be referred to as ‘door holders’ or ‘the door holder’ in this Standard.

1.3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
2362	Automatic fire detection and alarm systems—Methods of test for actuating devices
2362.5	Part 5: Insulation resistance test
2362.10	Part 10: Low temperature test
2362.11	Part 11: Damp heat test
2362.12	Part 12: Dry heat test
2362.13	Part 13: Corrosion test
2362.16	Part 16: Impact test
2362.23	Part 23: Weathering test
2484	Fire—Glossary of terms
2484.2	Part 2: Fire protection and firefighting equipment
3100	Approval and test specification—General requirements for electrical equipment

1.4 DEFINITIONS For the purpose of this Standard, the definitions given in AS 2484.2 and those below apply.

1.4.1 Keeper plate—a plate attracted by the energized coil of an electromagnet and, when in contact with the magnet, resists separation from the magnet.