

SSF 1095

Norm for

**ELECTROMECHANICAL
STRIKING PLATES
FOR FIXED MOUNTED
LOCKS - BURGLAR
RESISTANCE**

REQUIREMENTS AND TEST METHODS

APRIL 2015

Swedish Theft Prevention
Association's Norm
SSF 1095 issue 1

© SSF Stöldskyddsföreningen

SSF (the Swedish Theft Prevention Association) is a non-profit association. The aim of the association is to promote safety and security for individuals and property through crime prevention measures, and to help shape opinions and disseminate information with regard to crime prevention.

Excerpt from SSF's by-laws § 1 and § 2
laid down on 13 May 2011.

SSF, the Swedish Theft Prevention Association, develops and specifies standards for testing and classification within areas considered relevant to the aims of the association. A list of current SSF standards can be found on the SSF website at www.stoldskyddsforeningen.se

April 2015 SSF Swedish Theft Prevention Association

CONTENTS

FOREWORD	4
ORIENTATION	4
1 SCOPE	5
2 DEFINITIONS	5
3 REFERENCES	6
4 CLASSIFICATION	7
5 REQUIREMENTS	7
5.1 GENERAL	7
5.2 DURABILITY	7
5.3 LATCH ENGAGEMENT LENGTH	7
5.4 LOADING OF BOX	8
5.5 LOADING OF THE PLATE OF THE ELECTRIC STRIKING PLATE	9
5.6 MANIPULATION	10
5.7 ATTACKS WITH HAND TOOLS	11
5.8 INTERACTION WITH THE CONTROL UNIT	12
6 TEST METHODS	18
6.1 GENERAL	18
6.2 DURABILITY AND TEAR	19
6.3 THE LATCH'S ENGAGEMENT LENGTH	20
6.4 LOADING OF THE BOX	20
6.5 LOADING OF THE PLATE OF THE ELECTRIC STRIKING PLATE	26
6.6 MANIPULATION	30
6.7 ATTACKS USING LIGHT HAND TOOLS	36
6.8 INTERACTION WITH THE CONTROL UNIT	38
7 NEW TEST SERIES AND RETESTING	40
7.1 NEW TEST SERIES	40
7.2 RETESTING	40
7.3 REDESIGN	40
8 TEST REPORT	40
9 MARKING	40
10 PRODUCT INFORMATION	41
ANNEX A (INFORMATIVE) SUMMARY OF BURGLAR RESISTANCE FOR FIXED MOUNTED LOCKS	42
BIBLIOGRAPHY	46

Foreword

SSF's regulations state characteristics that are considered to be of importance for burglar resistance, performance and reliability. The regulations seek to specify quality and security ratings that can be applied in general, both in terms of specifying requirements and in conjunction with procurement.

The regulations refer to, or wherever possible are based on, national and international standards and other applicable technical specifications or international quality standards.

Satisfying statutory requirements can be demonstrated by testing and certification by recognised testing and certification organisations. Products, services, companies and individuals that satisfy applicable regulatory requirements can be found in SSF lists, which are published in the Security Guide. The Security Guide is available in a print version or can be downloaded from the SSF website.

Orientation

This norm has been produced by representatives of SSF Swedish Theft Prevention Association, SEM Group, SLR, RPS and certification bodies.

This norm is one of several standards which form a basis for the classification of products related to burglar-resistant locks.

The norms for fixed mounted burglar-resistant locks relating to burglar resistance of fixed mounted locks in SSF 3522 are described in Annex A.

Electrically operated striking plates according to this standard are designed for fixed mounting in interaction with mechanical or electromechanical locks.

Electrically operated striking plates according to this standard are based on specified performance according to SS-EN 12209 and SS-EN 14846, supplemented with requirements and test methods for burglar-resistant properties and requirements and testing of/against picking and manipulation

Electrically operated striking plates can be operated with the following principles:

- Electric operation of the obstruction mechanism via solenoid or motor
- Electric operation of release of latch to the obstruction mechanism.

Electrically operated striking plates are usually mounted in a frame and may have different mounting alternatives in different frame materials. These mounting alternatives are described by the manufacturer so as also to be included in testing and certification.

This norm intends to verify (test) the performance levels of the electric striking plate.

Products according to this norm are classified in accordance with SSF 3522.

1 Scope

The norm covers Electromechanical striking plates designed for fixed mounting and which interact with a mechanically or electrically operated lock.

The norm specifies requirements and test methods, as well as requirements for product information and labelling.

2 Definitions

The terms and definitions specified in SS 2218, SSF 3522 and SSF 1090 – SSF 1096 and as specified below are applicable when using this document.

2.1

electric striking plate

Fixed mounted electrically operated striking plate.

2.2

deadlock

Part of an electric striking plate which prevents the latch moving (opening) in its obstructive position.

2.3

encryption

Making information difficult to read for anyone who shall not be able to read it. Decryption is required to make the information legible again.

2.4

control unit

Device for code reading and authentication of current carrier.

2.5

reverse function

The electric striking plate opens when de-energized

2.6

replay-proof

Method for ensuring that a recorded message cannot be reused.

2.7

lever

Movable part of an electric striking plate which works in cooperation with the lock's deadbolt and/or bolt to hold the door closed and permit opening after electric operation.

2.8

mutual authentication

Method for ensuring the parties to a dialogue are who they claim to be.