

Access control systems from effeff



Electronic door fitting ESA500
for stand-alone applications

 **effeff**
ASSA ABLOY

Experience a safer
and more open world

The stand-alone fitting

Organise access with ESA500

Easily secure private and company-internal areas.



Functional design with maximum cost-benefit ratio.



In many buildings with public traffic there are areas which should not be accessible to the public:

- Warehouse
- Staff rooms
- Common rooms in branch locations
- Staff WC
- Store room

The ESA500 electronic door fitting is ideally suited for these applications.

With the door code system, internal doors with mortise locks can also be retrofitted – without any additional electrical installation or mains connection.

With the replacement of a fitting, the door is protected against unauthorised access with a compact and integrated access control system.

Simple installation, fast commissioning

ESA 500 operates without network and can be installed very easily on existing doors without the need for any wiring.

The fitting is delivered from the factory with a pre-programmed PIN and a temporarily Master PIN, so that it is ready for use immediately after installation. Access control has never been easier and faster.

Access without a key

The door can be opened from outside by people who know the 4 or 6-digit code. With the right code, outside door handle is electrically engaged and then disengaged again after 3 seconds.

No changes are necessary to the existing lock. The mechanical function remains the same as before. The door can be opened from the inside as usual with the door handle.

Key issuance and management is omitted. Authorised persons need only memorise their code. You can lock the door as usual with the existing cylinder.

ESA500

Organise access with ESA500

Characteristics:

- Easily retrofitted to existing doors
- Suitable for solid-leaf and tubular frame doors with many European mortise locks
- No wiring required
- Power supply is provided by a 3 V battery
- Four or six-digit door codes
- Up to 99 user codes
- Security-related electronics inside the fitting,
- Various release options
 - Office function: Permanent release, open time adjustable over several hours
 - Delivery function: Single-use code, e.g. access for parcel service, tradesman
 - Hotel function: the programmed access code is valid for several days (max. 36)
- One-sided emergency exit functionality: the door can be opened at any time from the inside with permanently disengaged internal door handle.
- Simple programming
- Easy installation
- Programming with menu structure with visual feedback
- Appealing design

Overview of additional characteristics:

- Higher security up to use category 3 according to DIN EN 1906
- Approval for fire doors according to DIN 18273
- Suitable for escape routes according to DIN EN 179 in combination with approved lock
- Robust version for outdoor installation IP54
- Drill-open protection
- Anti-Drilling protection with integrated overload coupling



ESA Euro Profil

ESA500



Standard escutcheon

Can be used for many European mortise locks. For wooden, steel or tubular frame doors. The main electronics are outside, the security-relevant electronics are inside. Outer door handle rotates freely, inner door handle always engaged. Memory capacity for up to 99 PIN codes. LED for status display.

The advantages at a glance

- Can be used with many European mortise locks
- Can be used with standard or narrow profile doors
- For use in indoor areas
- Door leaf between 40 and 100 mm thick, in 10 mm increments
- Can be used with a backset of 25 mm or more
- Outside door handle rotates freely
- Inside door handle always engaged
- Main electronics on outside
- Security-relevant electronics inside
- Battery inside
- Coupling inside
- Mechanical cylinder (optional)
- Existing cylinder can continue to be used
- Handle spindle easily replaced
- Fastened with three bolts
- LED for status display (red/green/orange)

Scope of delivery

- 1 escutcheon with battery (Lithium CR123A) and installation instructions
- Screws and drilling template

Technical attributes	
PINpad	PIN code - 4 up to 6 digits
Approvals	CE
Dimensions	312 x 41 x 10/20 mm (H x W x D)
Version	Basic = interior and exterior doors up to grade 2
Handle	L-Shape, U-Shape
Surface	Stainless steel brushed (ST)
Distance (others on request)	Distance 72 mm, 92 mm; Spindle 8 mm, 9 mm, 10 mm
Door leaf thickness	Door leaf between 40 and 100 mm thick, in 10 mm increments
Backset	> 25 mm
Battery	1 x Lithium CR123A
Battery life	> 40,000 cycles (for max. 3 years)
Protection rating	IP 52
Operating temperature range	0°C bis 60°C
Humidity	< 85 % (condensation-free)
Status	LED (red/green/orange)

Handle	
L-Shape	1
U-Shape	2
Distance	
72 mm	0
92 mm	1
Door leaf thickness	
40-50 mm	A
50-60 mm	B
60-70 mm	C
70-80 mm	D
80-90 mm	E
90-100 mm	F
Spindle	
8 mm	8
9 mm	9
10 mm	0

Article / Feature

ESA500

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ESA Euro Profil

ESA501 PREMIUM



Premium escutcheon

Can be used for many European mortise locks. For wooden, steel or tubular frame doors. The main electronics are outside, the security-relevant electronics are inside. Outer door handle rotates freely, inner door handle always engaged. Memory capacity for up to 99 PIN codes. LED for status display.

The advantages at a glance

- Can be used with many European mortise locks
- Can be used with standard or narrow profile doors
- For use in indoor areas
- Door leaf between 40 and 100 mm thick, in 5 mm increments
- Can be used with a backset of 25 mm or more
- Outside door handle rotates freely
- Inside door handle always engaged
- Main electronics on outside
- Security-relevant electronics inside
- Battery inside
- Coupling inside
- Mechanical cylinder (optional)
- Existing cylinder can continue to be used
- Handle spindle easily replaced
- Fastened with three bolts
- LED for status display (red/green/orange)

Scope of delivery

- 1 escutcheon with battery (Lithium CR123A) and installation instructions
- Screws and drilling template

Technical attributes	
PINpad	PIN code - 4 up to 6 digits
Approvals	CE, EN179, EN1906, DIN18273
Dimensions	312 x 41 x 10/20 mm (H x W x D)
Version	Premium = Higher security version up to grade 3 (EN 1906) with approvals on fire (DIN18273), escape (EN179) route and security
Handle	U-Shape
Surface	Stainless steel brushed (ST)
Distance (others on request)	Distance 72 mm, 92 mm; Spindle 9 mm
Door leaf thickness	Door leaf between 40 and 100 mm thick, in 5 mm increments
Backset	> 25 mm
Battery	1 x Lithium CR123A
Battery life	> 40,000 cycles (for max. 3 years)
Protection rating	IP 54
Operating temperature range	-25 °C to +60 °C
Humidity	< 85 % (condensation-free)
Status	LED (red/green/orange)

Distance	
72 mm	0
92 mm	1
Door leaf thickness	
40-45 mm	K
45-50 mm	L
50-55 mm	M
55-60 mm	N
60-65 mm	O
65-70 mm	P
70-75 mm	Q
75-80 mm	R
80-85 mm	S
85-90 mm	T
90-95 mm	U
95-100 mm	V

Article / Feature	
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The ASSA ABLOY Group is the global leader
in access solutions. Every day we help
people feel safe, secure and experience
a more open world.

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Opening Solutions

ASSA ABLOY
Sicherheitstechnik GmbH
Bildstockstraße 20
72458 Albstadt
GERMANY
Tel. +49 7431 123-700
Fax +49 7431 123-258
albstadt@assaabloy.com
www.assaabloyopeningsolutions.de

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