

The perfect lock solution

from effeff

MEDIATOR

for entrance doors in

Apartment buildings

MEDIATOR



ABOUT US

effeff UNDER THE UMBRELLA OF ASSA ABLOY SICHERHEITSTECHNIK



2

Whatever you want to secure, protect, maintain - effeff has the technology you require.

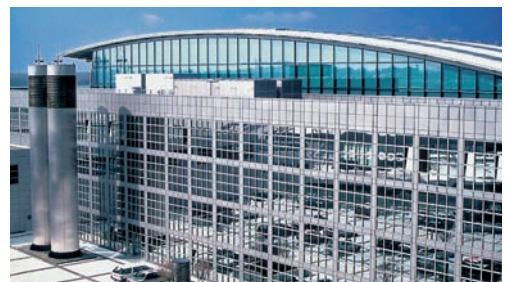
Breaking new grounds, implementing new technologies, developing new ideas. Founded in 1936, the company effeff based in Albstadt became the market leader in the field of door control systems by following a consistent strategy.

After starting the electric strike production in 1947, a comprehensive product range has been gradually developed, which enables effeff to offer suitable solutions for every door.

February 1st, 2000, effeff joined the ASSA ALBOY Group based in Stockholm, Sweden and merged at the beginning of 2005 with IKON GmbH Präzisionstechnik, Berlin who also belong to the group to become ASSA ABLOY Sicherheitstechnik GmbH.



The Ritz-Carlton, Wolfsburg



Hamburg Airport



IKON and effeff, both renowned and well-established brands within the market remain under ASSA ABLOY Sicherheitstechnik GmbH as do the production sites of Berlin and Albstadt and the plant in Heiligenhaus. ASSA ABLOY is the leading manufacturer and supplier of mechanical and electromechanical locks and related products worldwide. Our customers benefit from the extensive know-how of the largest international group of companies, meeting every requirement in terms of total security and comfort throughout the world.

ASSA ABLOY



Munich Airport



Recreational spa, Hildesheim



**“Hi, I’m new and
absolute genius!
Find out for
yourself!”**

CONTENTS


SEEK AND FIND!

ABOUT US	2-3
SITUATION AND SOLUTION	6-7
TARGET GROUPS AND ADVANTAGES	8-9
THE SYSTEM	10
CHECKLIST FOR DOOR FEATURES	11
TIPS ON FITTING	12-15
MEDIATOR LOCK, TUBULAR FRAME DOORS	
Mechanics	16
Ordering information for locks	17
Fitting models – Long escutcheon design	18-21
Fitting models – Rosette design	22-23
MEDIATOR LOCK, WOODEN AND STEEL DOORS	
Mechanics	24
Ordering information for locks	25
Fitting models – Long escutcheon	26-29
LINEAR ELECTRIC STRIKE	
Technology	30-31
Accessories	32-33

Helpdesk and Technical Support

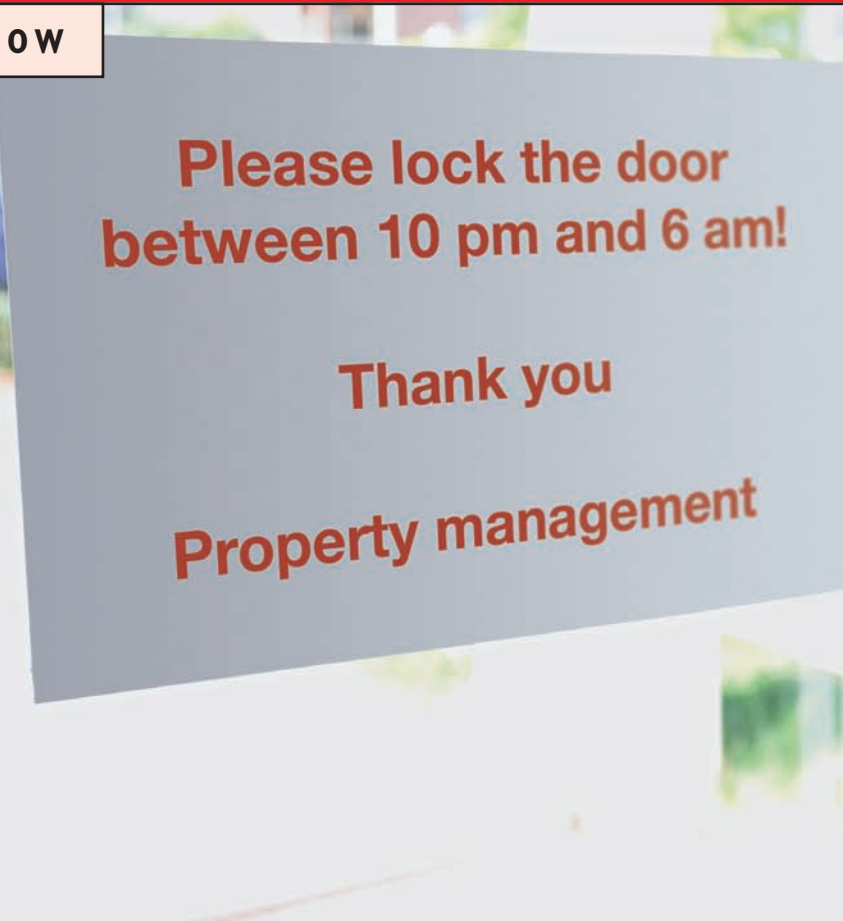
 +49 (0) 7431 123-381

Orders

 +49 (0) 7431 123-700

SITUATION

UNTIL NOW



Please lock the door
between 10 pm and 6 am!

Thank you

Property management

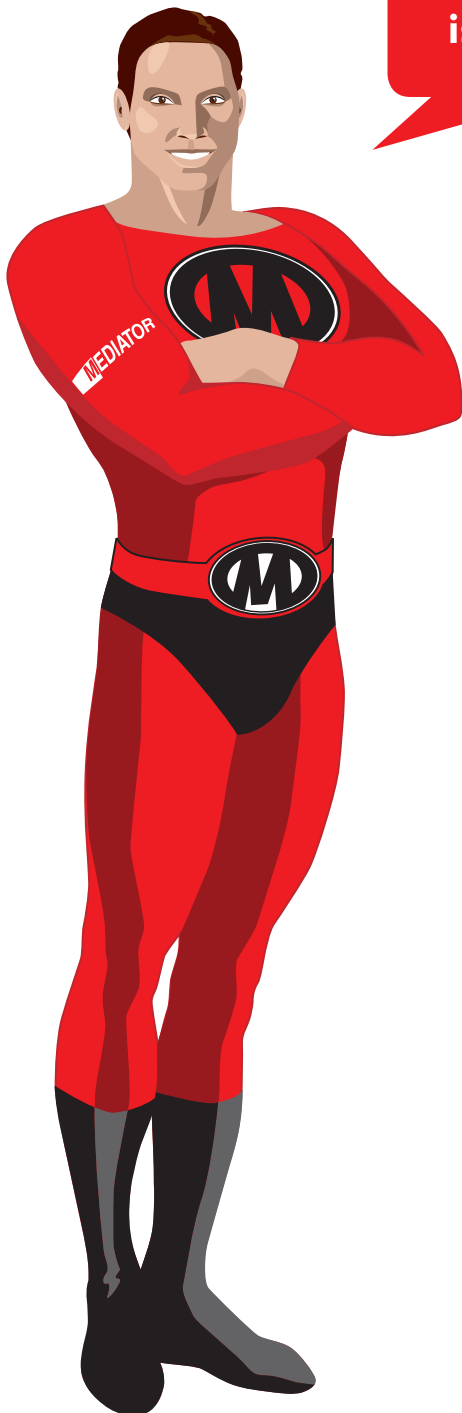
6

A major problem in apartment buildings: Should the door be locked at night or not?

The entrance door to apartment buildings – something which is always causing problems. On one side, the building management. On the other, the residents. Some always lock the door, others never. Others don't really care one way or the other. Consequently, there is conflict in the building.

MEDIATOR is brilliant: a self-locking escape door lock with an electric strike

**“Problem solved!
And everybody
is happy.”**



Optimum intrusion protection.

The door is always locked — day and night. This means protection against burglars and other uninvited guests.



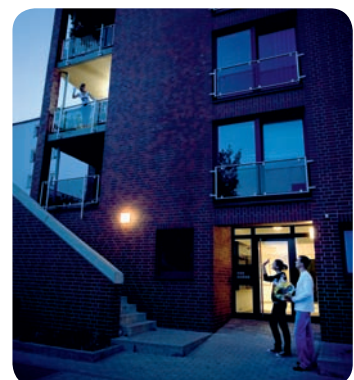
Safer escape routes.

Despite being permanently locked, the building can always be exited through the entrance door — in emergency situations and during “day-to-day operations”. The escape route problem is solved once and for all.



Great convenience.

Locked building entrance doors can be easily opened from inside apartments. When the door closes, it is automatically locked. The door can also be permanently unlocked.



TARGET GROUPS

WHO NEEDS MEDIATOR?

8



**Multi-functional and thus very much in demand:
MEDIATOR is a hit wherever it is installed.**

MEDIATOR is the system which has finally managed to satisfy interests in many different areas. And what's more, the cost is up to 50 percent lower than for comparable systems. This is why this lock solution appeals to many target groups:

- Security specialist dealers and security technology professionals
- Building and property management
- Private owners of apartment buildings
- Apartment owners
- Occupants
- Medical and law practices
- Architects and planners

ADVANTAGES

WHO ENJOYS WHICH BENEFITS?

As there are so many benefits, everybody gains something

Advantages for security specialists.

New business area
Additional skill area for customer guidance
Creation of new sales potential

Advantages for building management.

Safety in emergency situations (escape route safeguarded)
Appreciation in value due to greater convenience and greater security
No complaints from residents

Advantages for private owners of apartment buildings.

No unnecessary arguments with tenants
Appreciation in value of property
Protection against vandalism

Advantages for resident owners of apartments.

Secure protection for the whole building
Ease of use at any time, day or night
Improved relations between neighbours

For tubular-frame, wooden and steel doors:

MEDIATOR always fits.

MEDIATOR is suitable for both tubular-frame and full-leaf doors.
Requirements in the checklist on p.11 and the detail designs in the
respective catalogue section are to be taken into consideration

Advantages for residents.

Satisfaction of all security requirements
Ease of use any time, day or night
Can be kept unlocked temporarily, during removals
for instance
Safer escape routes

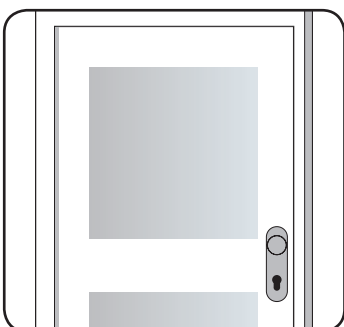
Advantages for medical and law practices.

Entrance door permanently open during consultation hours
by using a timer switch
Secure locking outside consultation

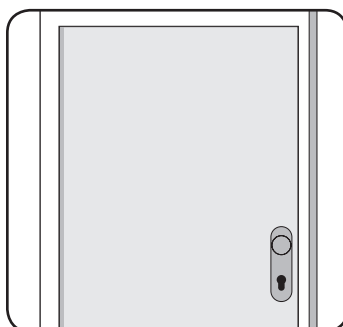
Advantages for architects and planner.

Improved planning expertise
Fulfillment of increasing requirements from constructors

Tubular frame door



Wooden and steel door

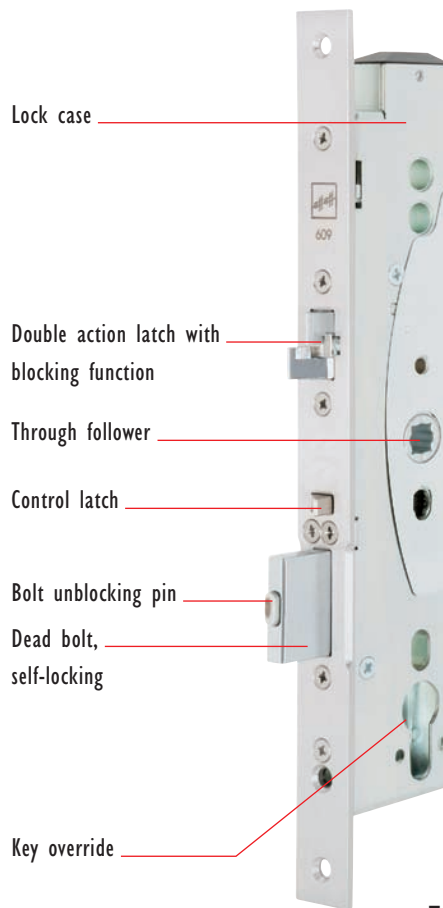
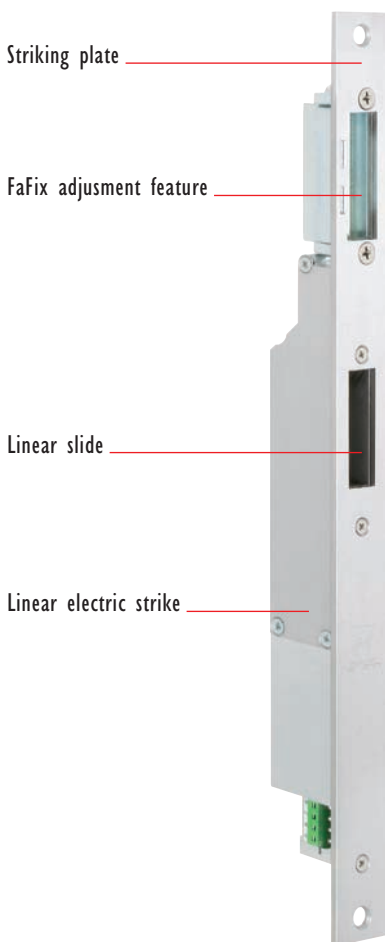


SYSTEM

LOCK, STRIKE, POWER SUPPLY

An ideal combination:
brilliant ideas and state-of-the-art door technology.
Made in Germany!

The most brilliant of ideas are usually also the simplest ones. MEDIATOR is based on a combination of a self-locking escape door lock with an electric strike. The lock is an especially adapted variation of effeff's successful 309X model. The MEDIATOR electric strike is a new development designed especially for this locking solution. Different power supply units are available for surface or flush mounting. Complete system accessories for fast, professional fitting rounds off the MEDIATOR lock solution.



Example:
Top-hat rail power supply unit



CHECKLIST

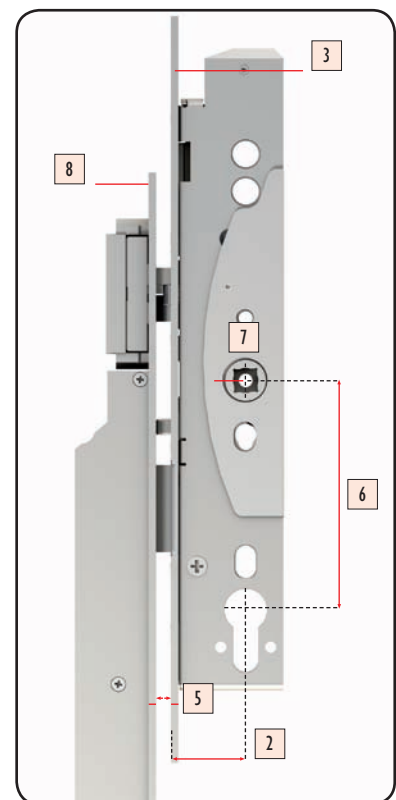
WHAT FACTORS MUST BE KEPT IN MIND?

To work perfectly with MEDIATOR use the entrance door checklist.

This is not an order form

MEDIATOR is ingenious and therefore also very straightforward. Easy to use on a daily basis and just as easy to install. In order for the lock solution to work perfectly, a few things must be taken into consideration before ordering. This includes: the existing entrance door and its lock and strike, and thus also selection of the required MEDIATOR components. The following checklist for door features ensures security for your door:

- | | | |
|-------------------------------------|---|------------------------------------|
| 1 DIN direction | <input type="checkbox"/> DIN left | <input type="checkbox"/> DIN right |
| 2 Backset | <input type="checkbox"/> 30 mm <input type="checkbox"/> 35 mm <input type="checkbox"/> 40 mm <input type="checkbox"/> 45 mm
<input type="checkbox"/> 55 mm <input type="checkbox"/> 60 mm <input type="checkbox"/> 65 mm <input type="checkbox"/> _____ mm | |
| 3 Face plate | Width _____ mm
Thickness _____ mm
Changing of the lock position box possible <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 4 Rebate clearance | Gap door frame/door leaf _____ mm
Please also turn to p. 14 | |
| 5 Face plate to strike plate | Gap between face plate & strike plate _____ mm | |
| 6 Distance | Euro-profile cylinder
<input type="checkbox"/> 92 mm
<input type="checkbox"/> 72 mm | |
| 7 Follower | <input type="checkbox"/> 8 mm <input type="checkbox"/> 9 mm <input type="checkbox"/> 10 mm | |
| 8 Striking plate | Width _____ mm
Thickness _____ mm
Finishing work required <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 9 Angled striking plate | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 10 Fitting | Compatible with lock type series 609 <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 11 Electric door strike | Existing <input type="checkbox"/> Yes <input type="checkbox"/> No
Model _____
Min. four connecting wires <input type="checkbox"/> Yes <input type="checkbox"/> No
Installation of additional cables possible <input type="checkbox"/> Yes <input type="checkbox"/> No
Wiring to sub-distribution <input type="checkbox"/> Yes <input type="checkbox"/> No
Wiring to junction box <input type="checkbox"/> Yes <input type="checkbox"/> No
Space for power supply unit in junction box <input type="checkbox"/> Yes <input type="checkbox"/> No
Other power supply unit fitting possible <input type="checkbox"/> Yes <input type="checkbox"/> No | |



Please note:

- For different backset/distance, additional work must be made to the door leaf for finishing.
- A power supply must be planned.
- Four connection wires are required:
 - Two wires to power supply
 - Two wires to electrical actuation
- Space must be provided in the door frame for the motor unit.
- Possibility to align FaFix striking plate/latch bolt.
- Required gap between face plate & striking plate after fitting: 2 – 5.5 mm

FITTING

HOW IT'S DONE

Quick, easy and secure fitting. But only by professionals.

The MEDIATOR lock solution is a product for customary use in buildings. However, only specialists should fit such solutions. We recommend power supply units be fitted and serviced by a qualified electrician. MEDIATOR fitters can best obtain the necessary expertise for system installation from specialised training at ASSA ABLOY. This assures MEDIATOR is fitted quickly, easily and securely.

Power source

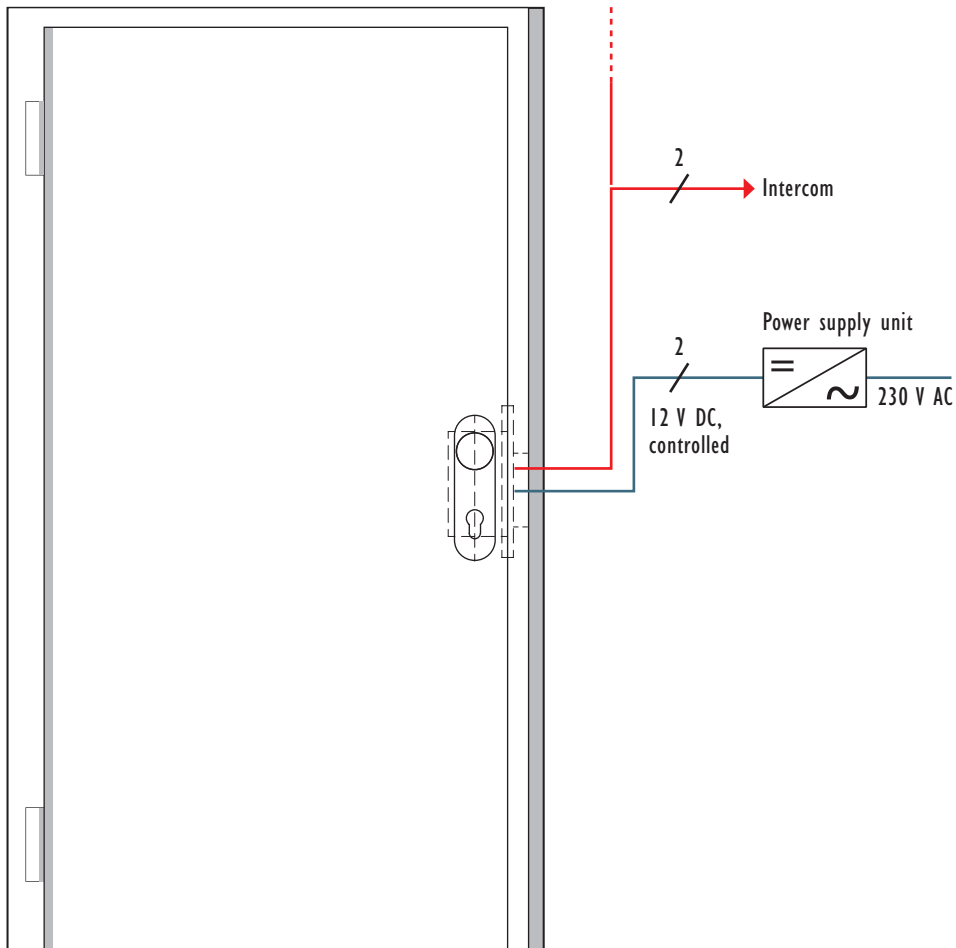
Four wires are provided: two for power supply and two for electrical actuation.

Warning: If a power supply unit from a different manufacturer is used, ensure it is a model 12 V controlled D.C. voltage and a current output of at least 1 A.

Technical information

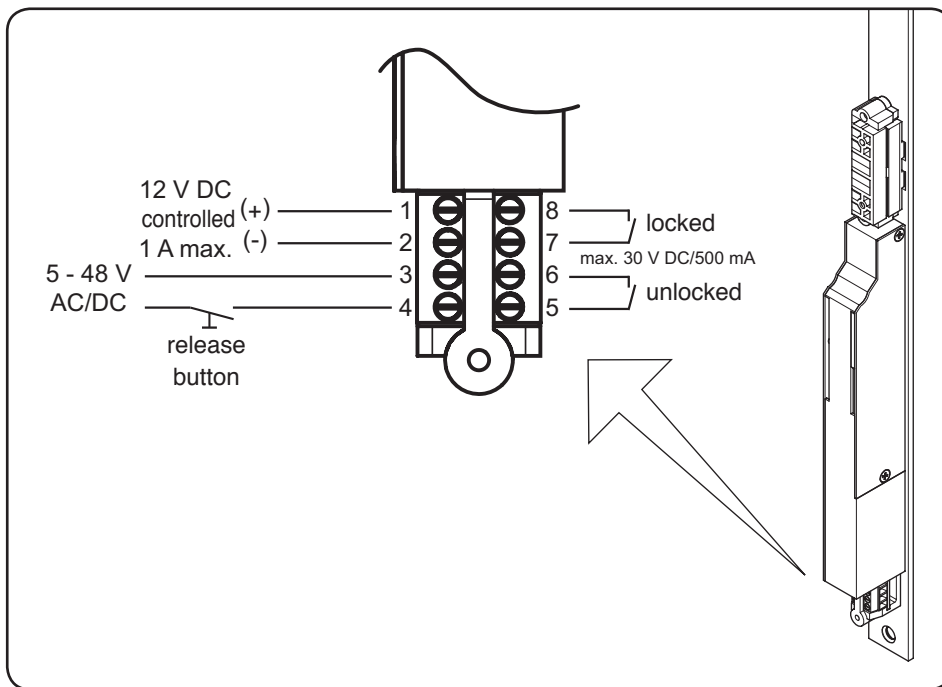
- Actuation voltage: 5–48 V AC or DC
If retrofitted the existing wires of the electric strike can be used.
- Rated operating voltage: 12 V DC controlled.

12



Terminal connection diagram

Lock specialists will be pleased – quick, easy and safe to connect with screw terminals.



„A professional is required here.”

TIPPS

FOR PROFESSIONALS

So it will also work in fiddly situations.

Fitting MEDIATOR is no problem for professional security technology specialists. However, unexpected difficulties may arise with particular door features. You will thus find a series of recommendations for fitting if a respective feature should be present.

Door situation	Door drilled on one side*	Door drilled on both sides
8 mm handle	Use full pin reduced to 8 mm on lock side, or displaced 9 mm pin follower on 8 mm (handle)*	Generally use existing pin, use the reducer in the MEDIATOR lock supply package.
10 mm handle	Use displaced 10mm full pin (handle) on 8 mm (bolt); on lock side use the reducer included in the MEDIATOR lock supply package*	Use 9 mm full pin in the handle with reinforcement to 10 mm
Fitting needs replacing	Fitting to be used with firmly pivot-mounted inside handle with 9 mm full pin	See p. 18–23; 26–29 for fittings to be used
Traction relief required for lock bolt	Use full pin for screwing into handle or loosely connected fail-safe pin*	
Tilting relief required for lock bolt	Assembly drilled on both sides, mounting thus square on internal and external fascia*	

* As a general rule, we recommend a firm pivot-mounted inner handle with 9 mm full pin..

Profile outlines

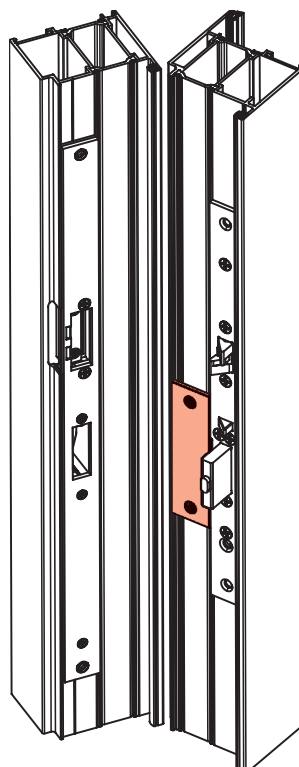
To adjust profile contours (slugs, slots, etc) insert the plastic sliding piece to guide the primary slider (see tables on p. 17, 25, 33 for dimensions and order code).

Rebate clearance

MEDIATOR requires a gap of 2 to 5.5 mm between the striking plate and face plate for secure functioning. A larger gap can be reduced by using spacer plates on both the strike side (striking plate) and the lock side (face plate).

Warning: If you use a spacer plate on the lock side, a lock with a larger backset may be required.

Sliding Piece



The most prevalent door profiles and their installation recommendations

Profile	Backset for recommended locks	Striking plate Strike	Slider	Spacer plate Strike	Spacer plate Lock	Remark
Wicona Wicstyle 65 inwards	30, 35, 40, 45, 55	-----31A35-01 -----34A35-01	65.000010	Z65-31A35----01 Z65-34A35----01	No	
Schüco Royal S65 inwards	30, 35, 40	-----31A35-01 -----34A35-01	65.000010	Z65-31A35----01 Z65-34A35----01	Z09-DBRR03----00	
Heroal 65 inwards	30, 35	-----31A35-01 -----34A35-01	No	Z65-31A35----01 Z65-34A35----01	Z09-DBRR03----00	
Alcan 70 inwards	30, 35, 40	-----31A35-01 -----34A35-01	No	Z65-31A35----01 Z65-34A35----01	Z09-DBRR03----00	
Ferro Wicstyle 70 inwards	30, 35	-----31A35-01 -----34A35-01	No	Z65-31A35----01 Z65-34A35----01	Z09-DBRR03----00	
TKI 602 inwards	30, 35	-----31A35-01 -----34A35-01	No	No	Z09-DBRR03----00	Clearance to middle seal required
Hueck 1.0 inwards	30, 35	-----31A35-01 -----34A35-01	65.000010	Z65-31A35----01 Z65-34A35----01	No	
Wooden profile	60, 65, 80, 100	-----32A35-04 -----32A35-05 -----33A35-04 -----33A35-05	No	No	Z09-DBVB03----00	Angled striking plate with arc, embedded

Recommended Tools

The following tools make installation easier:

- Oscillation saw
- Wedge to hold open door
- Files
- Magnetic grip, if required
- Riveting nut gripper and appropriate tool, if required (for tubular frame doors)



MECHANICS

MEDIATOR LOCK, TUBULAR FRAME

MEDIATOR Lock, Tubular Frame Version

The tubular frame version of the MEDIATOR lock is available with different backsets and comprehensive accessories.

Features:

- Self-locking: Dead bolt and latch are blocked; Advantage: higher security – two point locking
- Mechanical process control between cross and control latch
- Integrated panic function on the inside handle
- Changeover function for unlocking with a key from the outside
- Low rear backset for tubular frame design: 15 mm

MEDIATOR locks have a bolt through the handle and thus require front door furniture (inside handle or panic push bar, outside knob or push bar).

Fittings and accessories:

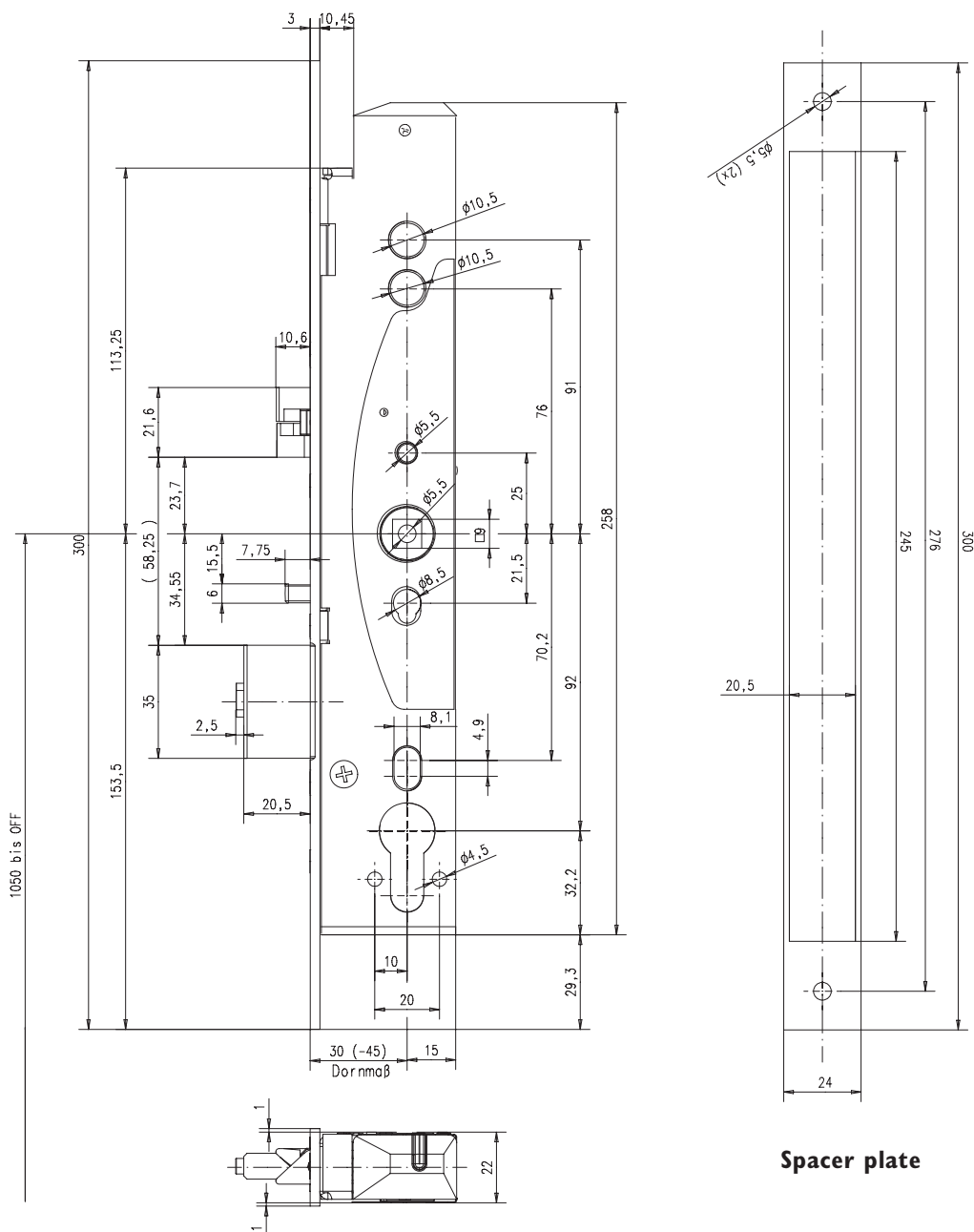
Fittings p. 18 – 23



Specifications	
Backset Tubular frame design	30, 35, 40, 45 mm
Distance Tubular frame design	Europrofile cylinder: 92 mm
Dead bolt throw	20 mm
Follower	9 mm (included in supply package: reduced to 8 mm)
Standards	DIN EN 179 EG certificate of conformity 0432-BPR-001

ORDERING INFORMATION

MEDIATOR LOCK, TUBULAR FRAME



Spacer plate

Ordering information for MEDIATOR lock, tubular frame version

Item description	DIN handing	Backset mm	Order code
MEDIATOR lock; face plate width 24 mm squared; distance 92 mm; Europrofile cylinder	I (universal)	30	609-102PZ-----I
MEDIATOR lock; face plate width 24 mm squared; distance 92 mm; Europrofile cylinder	I (universal)	35	609-202PZ-----I
MEDIATOR lock; face plate width 24 mm squared; distance 92 mm; Europrofile cylinder	I (universal)	40	609-302PZ-----I
MEDIATOR lock; face plate width 24 mm squared; distance 92 mm; Europrofile cylinder	I (universal)	45	609-402PZ-----I
Accessories			
Spacer plate 300 mm x 24 mm x 3 mm			Z09-DBRR3-----00
Spacer plate; 300 mm x 24 mm x 5 mm (without fig.)			Z09-DBRR5-----00
Sliding piece; 100 mm x 30 mm x 3 mm (see p. 14)			65.000010

FITTING MODELS

FRONT DOOR FITTING FOR TUBULAR FRAMES

LONG ESCUTCHEON

**Fittings for MEDIATOR lock
tubular frame version (backset 30 to 45 mm)**

Front door fitting

Model 609ZB02-----00

Long escutcheon

steel, solid

Can be used for DIN left/right

Complete set:

- Inner escutcheon steel, solid
- Handle and knob light alloy, anodised, colour matches escutcheons
- Outer escutcheon steel, solid, case-hardened
- Outer escutcheon attached through from inside with two firmly tightened screws (M8) in drill-protected, robust screw sockets

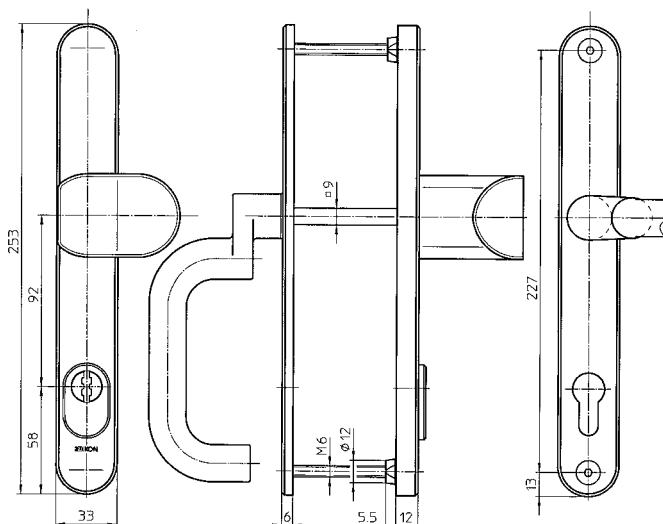
Steel, solid, distance 92 mm, Europrofile cylinder, perforated, with cylinder protection, colour F2 light alloy, anodised

Order code

609ZB02-----00

Suitable half spindle and mounting screw set – see adjacent tables.

18



Ordering information 9 mm half spindle for front door fitting 609ZB

Item description	Door leaf thickness mm	Pin length mm	Order code
Half spindle for door fitting 609ZB	34–47	79	609-ZWS-79---00
Half spindle for door fitting 609ZB	44–57	89	609-ZWS-89---00
Half spindle for door fitting 609ZB	54–67	99	609-ZWS-99---00
Half spindle for door fitting 609ZB	64–77	109	609-ZWS-109--00
Half spindle for door fitting 609ZB	74–87	119	609-ZWS-119--00
Half spindle for door fitting 609ZB	84–97	129	609-ZWS-129--00
Half spindle for door fitting 609ZB	94–107	139	609-ZWS-139--00

Ordering information mounting screw set for fitting 609ZB

Item description	Door leaf thickness mm	Screw length mm	Order code
Mounting screw set for fitting 609ZB (2 x M8 screws)	33–45	45	609-ZS-45----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	38–50	50	609-ZS-50----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	48–60	60	609-ZS-60----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	58–70	70	609-ZS-70----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	68–80	80	609-ZS-80----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	78–90	90	609-ZS-90----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	up to 130	130	609-ZS-130---00

FITTING MODELS

FRONT DOOR FITTING FOR TUBULAR FRAMES

LONG ESCUTCHEON

Fittings for MEDIATOR lock Tubular frame version (backset 30 to 45 mm)

Front door fitting
Model 509ZB14-35
Long escutcheon design
aluminium, stainless steel
Can be used for DIN left/right

Stainless steel, distance 92 mm, Europrofile cylinder, perforated, with cylinder protection
Order code

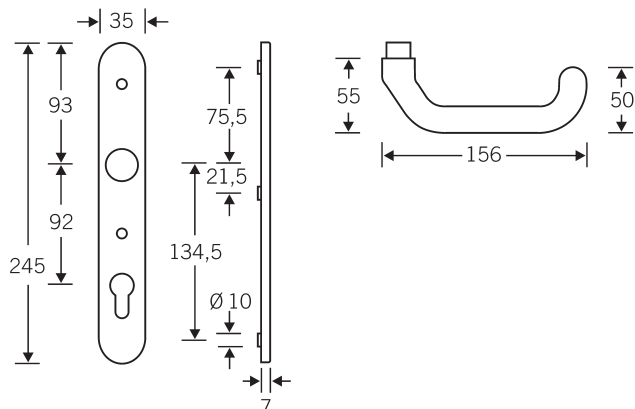
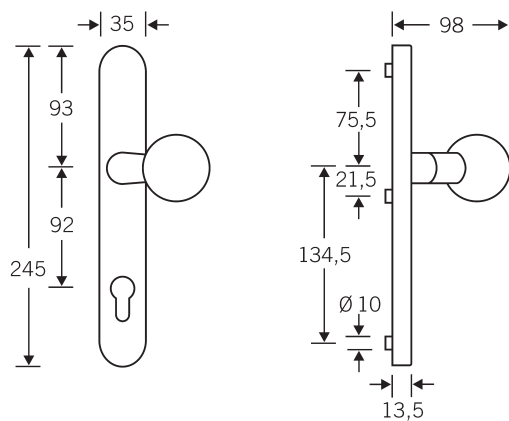
509ZB14-----35

Aluminium F1, distance 92 mm, Europrofile cylinder, perforated, with cylinder protection
Order code

509ZB14-----44

Suitable half spindle and mounting screw set – see adjacent tables

20



Ordering information 9 mm half spindle for tubular frame front door fitting (complete)

Item description	Door leaf thickness mm	Pin length mm	Order code
Half spindle with roller for tubular frame security fitting (complete fitting)	35 – 40	80	509-ZWS-080--00
Half spindle with roller for tubular frame security fitting (complete fitting)	40 – 45	85	509-ZWS-085--00
Half spindle with roller for tubular frame security fitting (complete fitting)	45 – 50	90	509-ZWS-090--00
Half spindle with roller for tubular frame security fitting (complete fitting)	50 – 55	95	509-ZWS-095--00
Half spindle with roller for tubular frame security fitting (complete fitting)	55 – 60	100	509-ZWS-100--00
Half spindle with roller for tubular frame security fitting (complete fitting)	60 – 65	105	509-ZWS-105--00
Half spindle with roller for tubular frame security fitting (complete fitting)	65 – 70	110	509-ZWS-110--00
Half spindle with roller for tubular frame security fitting (complete fitting)	70 – 75	115	509-ZWS-115--00
Half spindle with roller for tubular frame security fitting (complete fitting)	75 – 80	120	509-ZWS-120--00
Half spindle with roller for tubular frame security fitting (complete fitting)	80 – 85	125	509-ZWS-125--00

Ordering information mounting screw set for front door fitting, tubular frame version

Item description	Door leaf thickness mm	Screw length mm	Order code
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	35 – 40	45	809-ZS-045--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	40 – 45	50	809-ZS-050--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	45 – 50	55	809-ZS-055--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	50 – 55	60	809-ZS-060--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	55 – 60	65	809-ZS-065--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	60 – 65	70	809-ZS-070--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	65 – 70	75	809-ZS-075--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	70 – 75	80	809-ZS-080--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	75 – 80	85	809-ZS-085--00
Mounting screw set for security fitting (3 x M6/2 x M8 screws)	80 – 85	90	809-ZS-090--00

FITTING MODELS

FRONT DOOR FITTING FOR TUBULAR FRAMES

ESCUTCHEON

Fittings for MEDIATOR lock

Tubular frame version (backset 30 to 45 mm)

Front door fitting

Model 509ZB02-35

Escutcheon

Stainless steel

Complete set:

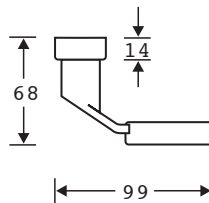
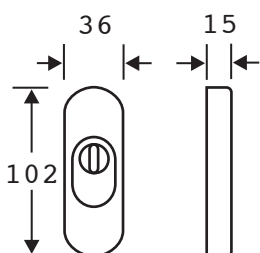
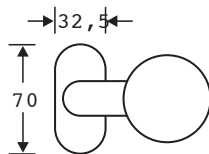
- Fitting and mounting material
(screws M5 x 25, riveting nuts)
- Inner and outer fitting screwed on separately
- Half spindle with roller – see adjacent table
- Protective rosette with cylinder protection (incl. mounting material)
- Can be used DIN left/right

Order Code

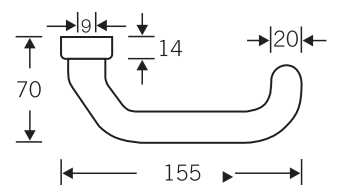
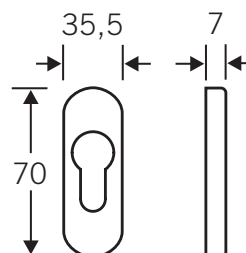
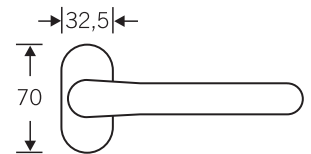
509ZB02-----35

22

Outside



Inside



Ordering information 9 mm half spindle for tubular frame front door fitting (complete)

Item description	Door leaf thickness mm	Pin length mm	Order code
Half spindle with roller for tubular frame security fitting, escutcheon (complete fitting)	33–45	95	509-ZWS-095--00
Half spindle with roller for tubular frame security fitting, escutcheon (complete fitting)	45–55	105	509-ZWS-105--00
Half spindle with roller for tubular frame security fitting, escutcheon (complete fitting)	55–65	115	509-ZWS-115--00
Half spindle with roller for tubular frame security fitting, escutcheon (complete fitting)	65–75	125	509-ZWS-125--00
Half spindle with roller for tubular frame security fitting, escutcheon (complete fitting)	75–85	135	509-ZWS-135--00

MECHANICS

MEDIATOR LOCK, WOODEN AND STEEL DOORS

MEDIATOR lock, for wooden and steel doors

The full leaf version of the MEDIATOR lock is available with different backsets and comprehensive accessories.

Features:

- Self-locking: Dead bolt and latch are blocked; Advantage: higher security – two point-locking
- Mechanical process control between cross and control latch
- Integrated panic function on the inside handle
- Changeover function for unlocking with a key from the outside

MEDIATOR locks have a bolt through the handle and thus require front door fitting (inside handle or panic push bar, outside knob or push bar).

Fittings and accessories:

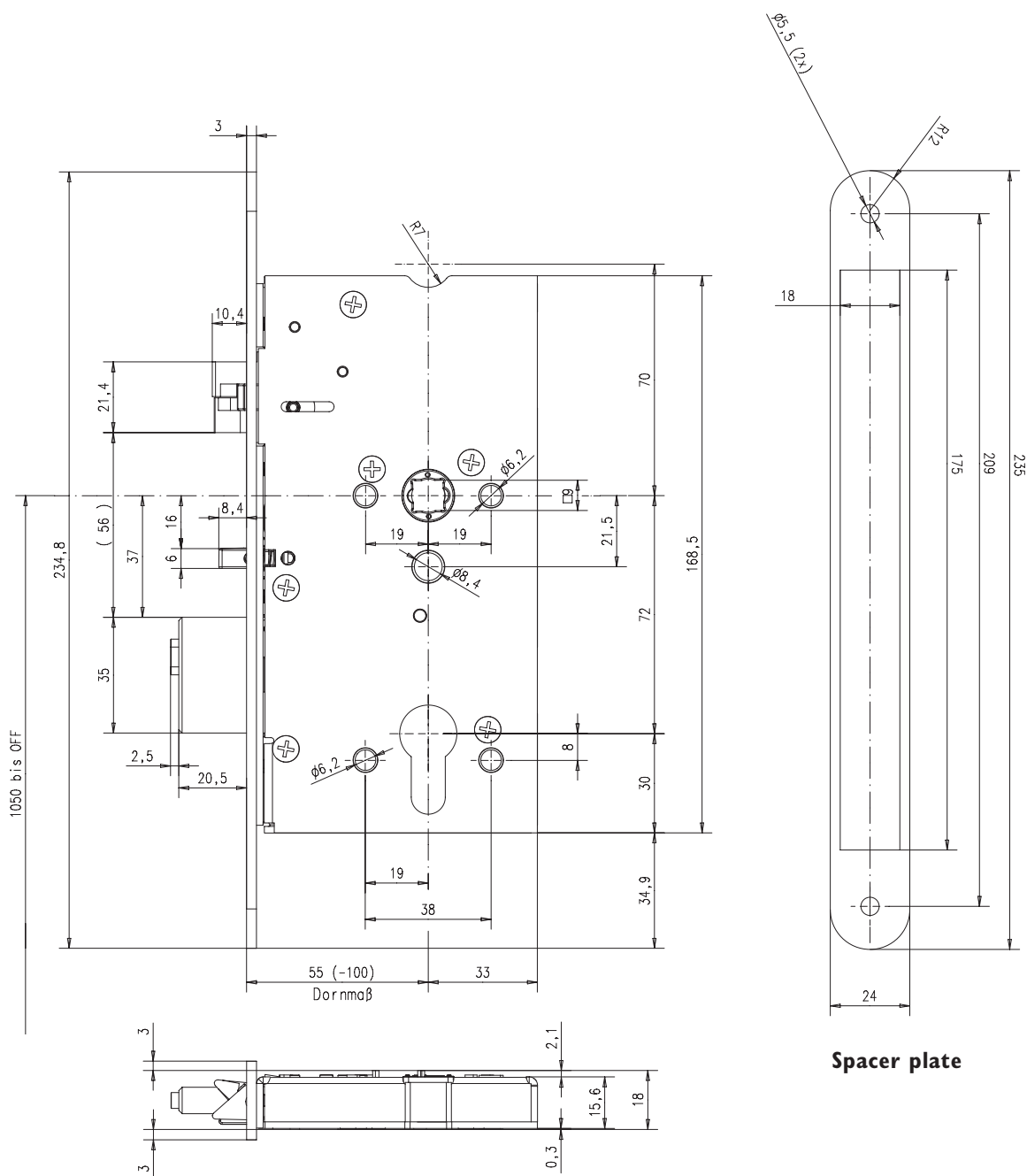
Fittings p. 26 – 29



Specifications	
Backset For wooden and steel doors	55, 60, 65, 80, 100 mm
Distance For wooden and steel doors	Europofile cylinder: 72 mm
Bolt throw	20 mm
Follower	9 mm (included in supply package: reducer to 8 mm)

ORDERING INFORMATION

MEDIATOR LOCK, WOODEN AND STEEL DOORS



Spacer plate

Ordering information MEDIATOR lock, wooden and steel doors

Item description	DIN handing	Backset mm	Order code
MEDIATOR lock; face plate width 24 mm round; distance 72 mm; Europrofile cylinder	I (universal)	55	609-502PZ-----I
MEDIATOR lock; face plate width 24 mm round; distance 72 mm; Europrofile cylinder	I (universal)	60	609-602PZ-----I
MEDIATOR lock; face plate width 24 mm round; distance 72 mm; Europrofile cylinder	I (universal)	65	609-702PZ-----I
MEDIATOR lock; face plate width 24 mm round; distance 72 mm; Europrofile cylinder	I (universal)	80	609-802PZ-----I
MEDIATOR lock; face plate width 24 mm round; distance 72 mm; Europrofile cylinder	I (universal)	100	609-902PZ-----I
Accessories			
Spacer plate; 235 mm x 24 mm x 3 mm			Z09-DBVB3-----00
Sliding piece; 100 mm x 30 mm x 3 mm (see p. 14)			65.000010

FITTING MODELS

FRONT DOOR FITTING, WOODEN AND STEEL DOORS

LONG ESCUTCHEON

**Fittings for MEDIATOR lock
for wooden and steel doors (backset 55 to 100 mm)**

**Front door fitting
Model 609ZB01-----00
Long escutcheon**

Steel, solid

Can be used for DIN left/right

Complete set:

- Inner escutcheon, steel, solid
- Handle and knob light alloy, anodised, colour matches escutcheons
- Outer escutcheon steel, solid, case-hardened
- Outer escutcheon attached through from inside with two firmly tightened screws (M8) in drill-protected, robust screw sockets

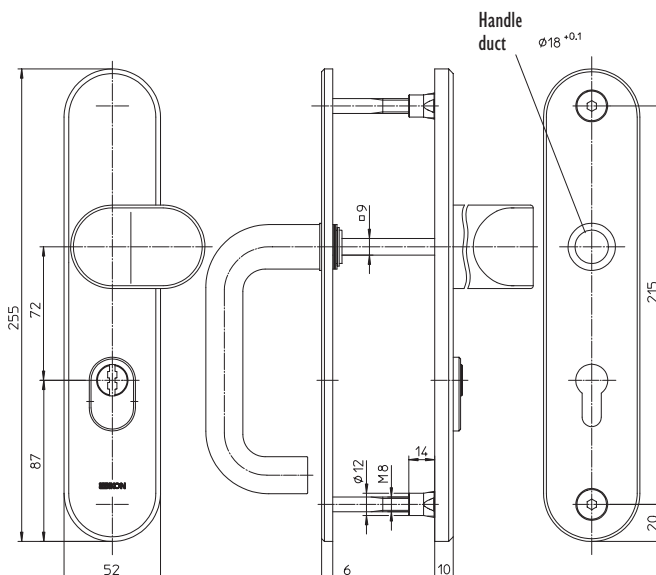
Steel, solid, distance 72 mm, Europrofile cylinder, perforated, with cylinder protection, colour F2 light alloy, anodised

Order code

609ZB01-----00

26

Suitable half spindle and mounting screw set – see adjacent tables.



Ordering information 9 mm half spindle for front door fitting 609ZB

Item description	Door leaf thickness mm	Pin length mm	Order code
Half spindle for front door fitting 609ZB	34–47	79	609-ZWS-79---00
Half spindle for front door fitting 609ZB	44–57	89	609-ZWS-89---00
Half spindle for front door fitting 609ZB	54–67	99	609-ZWS-99---00
Half spindle for front door fitting 609ZB	64–77	109	609-ZWS-109--00
Half spindle for front door fitting 609ZB	74–87	119	609-ZWS-119--00
Half spindle for front door fitting 609ZB	84–97	129	609-ZWS-129--00
Half spindle for front door fitting 609ZB	94–107	139	609-ZWS-139--00

Ordering information mounting screw set for fitting 609ZB

Item description	Door leaf thickness mm	Screw length mm	Order code
Mounting screw set for fitting 609ZB (2 x M8 screws)	33–45	45	609-ZS-45----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	38–50	50	609-ZS-50----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	48–60	60	609-ZS-60----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	58–70	70	609-ZS-70----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	68–80	80	609-ZS-80----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	78–90	90	609-ZS-90----00
Mounting screw set for fitting 609ZB (2 x M8 screws)	up to 130	130	609-ZS-130---00

FITTING MODELS

FRONT DOOR FITTING, WOODEN AND STEEL DOORS

LONG ESCUTCHEON

**Fittings for MEDIATOR lock
for wooden and steel doors (backset 55 to 100 mm)**

Front door fitting

Model 509ZB01-35

Stainless steel

Complete set with fitting and mounting material

Can be used DIN left/right

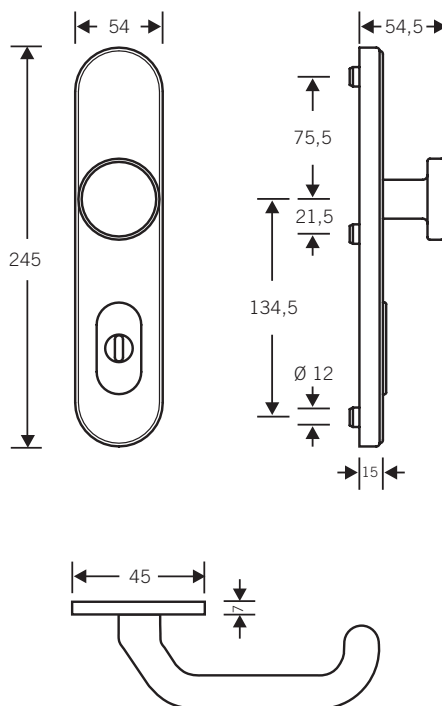
Stainless steel, distance 72 mm, Europrofile cylinder, perforated, with cylinder protection

Order code

509ZB01-----35

Suitable half spindle with screw roller and screws for mounting through to knob long escutcheon – see adjacent table.

28



Ordering information 9 mm half spindle for wooden and steel doors front door fitting (complete)

Item description	Door leaf thickness mm	Pin length mm	Order code
Half spindle with roller for wooden and steel doors front door fitting (complete fitting)	38–48	100	509-ZWS-100--00
Half spindle with roller for wooden and steel doors front door fitting (complete fitting)	48–58	110	509-ZWS-110--00
Half spindle with roller for wooden and steel doors front door fitting (complete fitting)	48–68	120	509-ZWS-120--00
Half spindle with roller for wooden and steel doors front door fitting (complete fitting)	68–78	130	509-ZWS-130--00
Half spindle with roller for wooden and steel doors front door fitting (complete fitting)	78–88	140	509-ZWS-140--00

Ordering information mounting screw set for front door fitting, wooden and steel doors

Item description	Door leaf thickness mm	Screw length mm	Order code
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	35–40	45	809-ZS-045--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	40–45	50	809-ZS-050--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	45–50	55	809-ZS-055--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	50–55	60	809-ZS-060--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	55–60	65	809-ZS-065--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	60–65	70	809-ZS-070--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	65–70	75	809-ZS-075--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	70–75	80	809-ZS-080--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	75–80	85	809-ZS-085--00
Mounting screw set for front door fitting (3 x M6/2 x M8 screws)	80–85	90	809-ZS-090--00

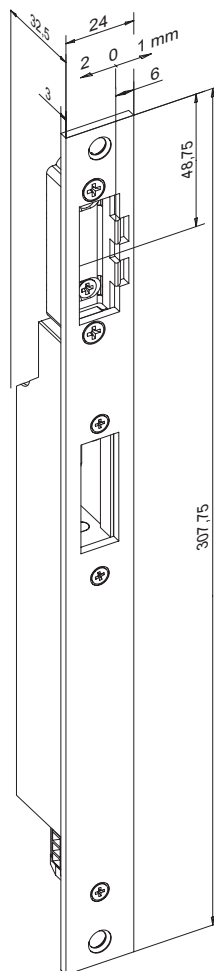
MEDIATOR linear electric strike

The MEDIATOR linear electric strike has been especially developed for this lock solution. Made in Germany to effeff's established high quality standards, it is available with fix adjustment as well as flat, angled, round, or renovation striking plates. Different spacer plates to align the rebate clearance are available with the strike plate used. A sliding piece is available to bridge notches and unevenness in the profile.

The MEDIATOR linear electric strike is motor-driven and fulfils all the requirements for use in busy apartment buildings.

Accessories:

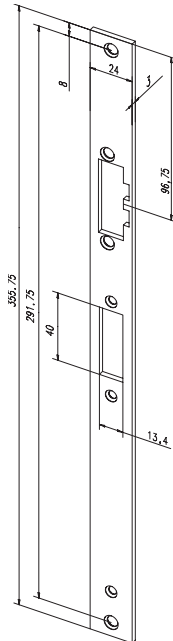
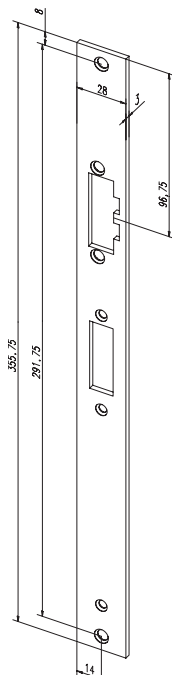
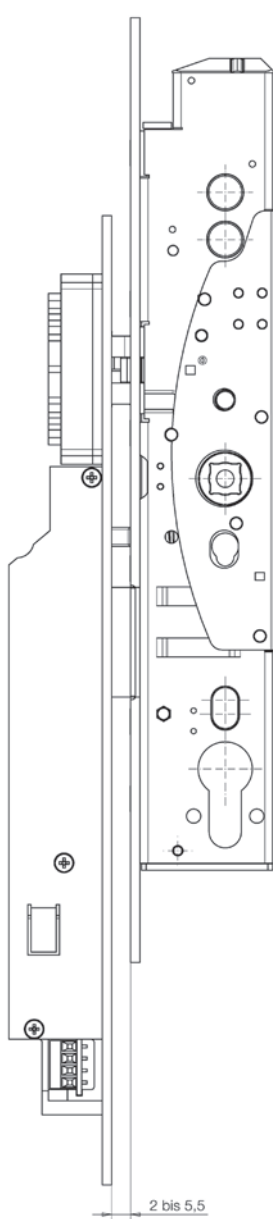
- Spacer plate see p. 35
- Power supply unit see p. 34
- Sliding piece see p. 35



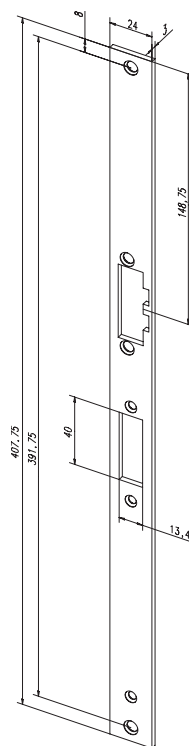
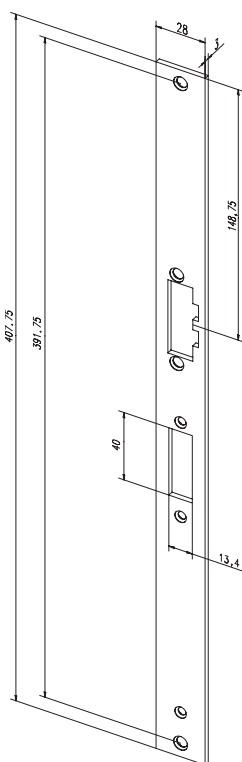
Specifications	
Rated operating voltage	12 V DC (regulated d.c. voltage)
Actuation voltage (release)	5 V to 48 V AC/DC
Rated current consumption	500 mA
Bolt throw	20 mm
Delay until complete unlocking/locking	about 0.8 sec.
Unlocking time	3 sec.
Resistance to intrusion	6.000 N
Operating temperature	-20 °C to +60 °C
Gap — face plate-strike plate	Min. 2 mm to max. 5.5 mm
Monitoring contact door locked	Max. 30 V DC, 500 mA
Monitoring contact door unlocked	Max. 30 V DC, 500 mA
Dimensions without strike plate	206 mm x 20 mm x 29.5 mm (L x W x H)
Fix adjustment	Yes
Fix adjustment range	3 mm
Preload	Max. 80 N
Permanent unlocking	Yes
Standards	DIN EN 179 EG certificate of conformity 0432-BPR-001

ORDERING INFORMATION

MEDIATOR ELECTRIC STRIKE



Flat strike plates



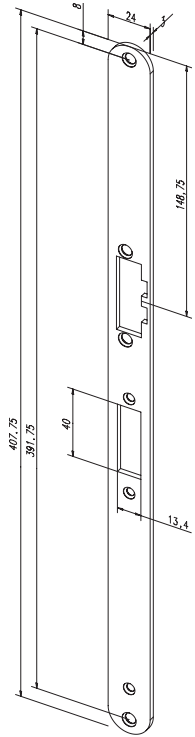
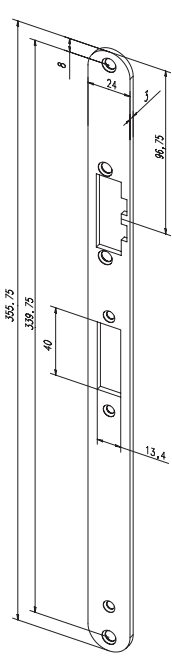
Renovation flat strike plates

Ordering information MEDIATOR electric strike with strike plates

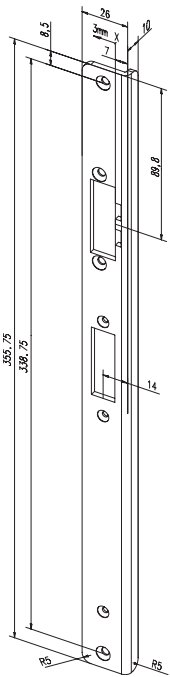
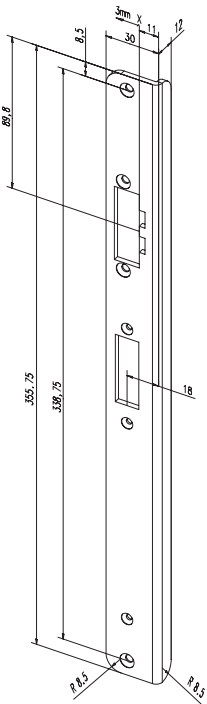
Item description	Suitable spacer plate	Order code
MEDIATOR electric strike with flat strike plate; 355.75 mm x 28 mm x 3 mm	Z65-30A35----01	65-----30A35E9I
MEDIATOR electric strike with flat strike plate; 355.75 mm x 24 mm x 3 mm	Z65-31A35----01	65-----31A35E9I
MEDIATOR electric strike with flat strike plate; 407.75 mm x 28 mm x 3 mm	Z65-36A35----01	65-----36A35E9I
MEDIATOR electric strike with flat strike plate; 407.75 mm x 24 mm x 3 mm	Z65-34A35----01	65-----34A35E9I

ORDERING INFORMATION

MEDIATOR ELECTRIC STRIKE



Round strike plate and renovation arc strike plate



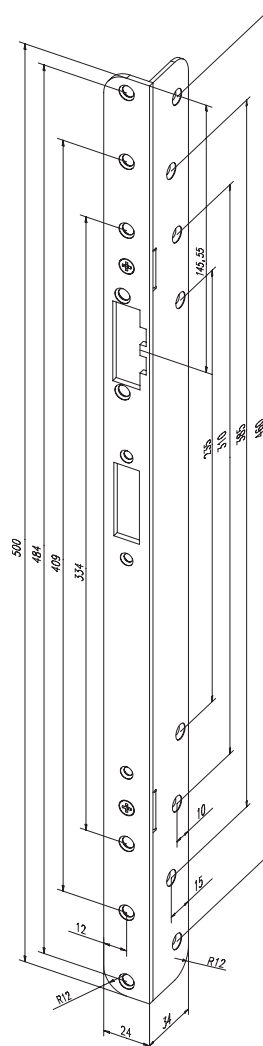
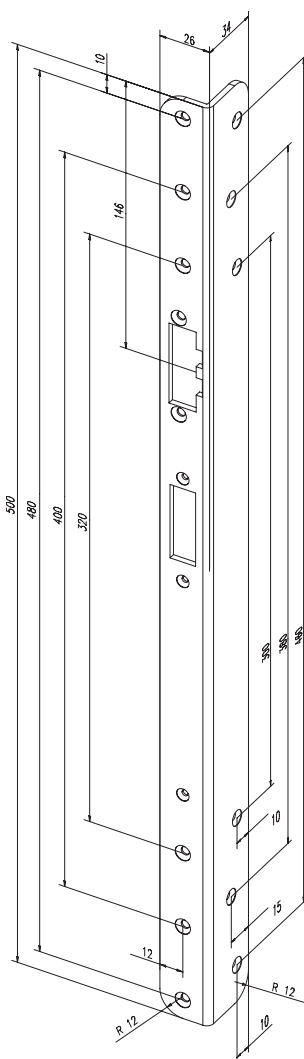
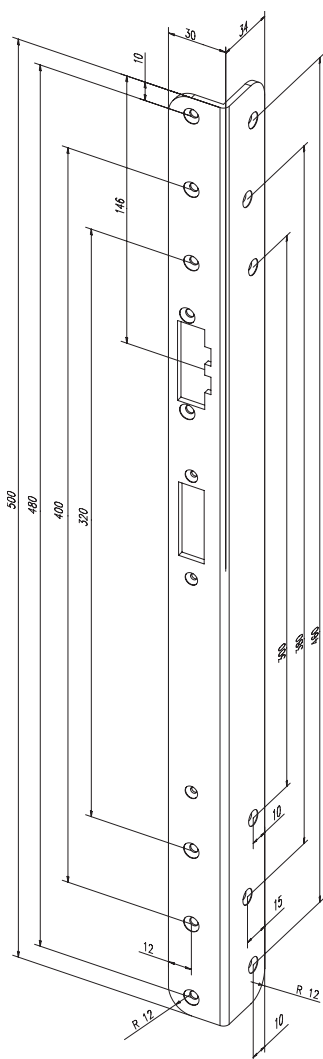
Angled strike plate

Ordering information MEDIATOR electric strike with strike plate

Item description	Suitable spacer plate	Order code
MEDIATOR electric strike with round strike plate; 355.75 mm x 24 mm x 3 mm	Z65-60A35----01	65-----60A35E9I
MEDIATOR electric strike with renovation round strike plate; 407.75 mm x 24 mm x 3 mm	Z65-61A35----01	65-----61A35E9I
MEDIATOR electric strike with angled strike plate left (4), right (5); 355.75 mm x 30/12 mm x 3 mm	---	65-----32A35E94/5
MEDIATOR electric strike with angled strike plate left (4), right (5); 355.75 mm x 26/12 mm x 3 mm	---	65-----33A35E94/5

ORDERING INFORMATION

MEDIATOR ELECTRIC STRIKE



Renovation angled
strike plate

The strike plate 65----68A35E94/5
can be changed from DIN left to
DIN right.

Ordering information MEDIATOR electric strike with strike plate

Item description	Suitable spacer plate	Order code
MEDIATOR electric strike with renovation angled strike plate left (4), right (5); 500 mm x 30/34 mm x 3 mm	---	65----64A35E94/5
MEDIATOR electric strike with renovation angled strike plate left (4), right (5); 500 mm x 26/34 mm x 3 mm	---	65----67A35E94/5
MEDIATOR electric strike with renovation angled strike plate left (4), right (5); 500 mm x 24/34 mm x 3 mm	---	65----68A35E94/5

ACCESSORIES

MEDIATOR ELECTRIC STRIKE

Power supply units

Two different power supply units and a housing are available for surface or flush mounting.



Top-hat rail power supply unit
Order code

1003-12-125-00



Flush-mount power supply unit
Order code

1003UP-12-1--00



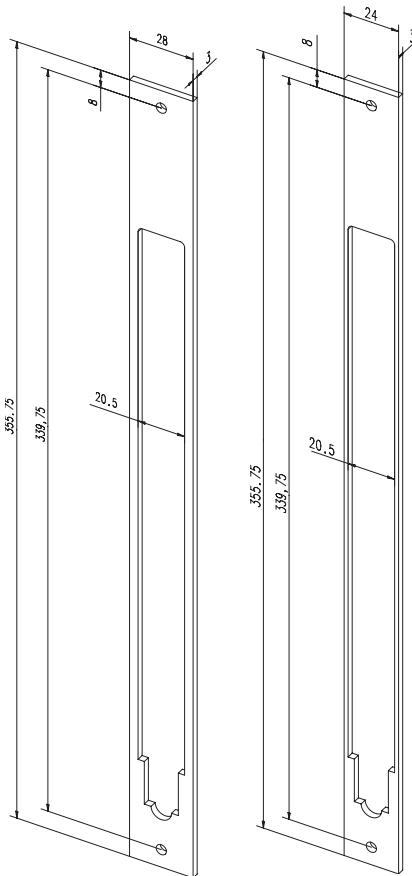
Surface-mount housing
Order code

7460-----00

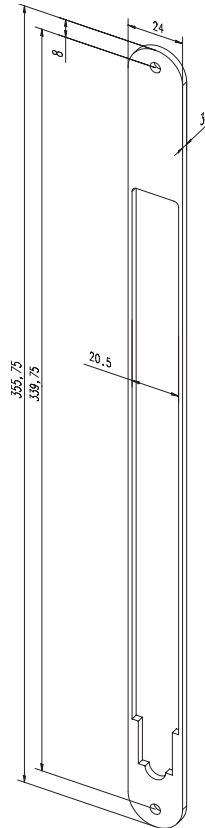
Specifications	Top-hat rail power supply unit	Flush-mount power supply unit	Surface-mount housing
Rated operating voltage	100-240 V AC	230 V AC +/- 15%	
Rated power	15 W	12 W	
Rated output voltage	12 V DC (regulated)	12 V DC (regulated)	
Rated output current	max. 1,25 A	max. 1 A	
Overload protection	electronic	electronic	
Operating temperature range	-5 °C to +50 °C	-20 °C to +40 °C	
Protection type (DIN EN 60529, 2000-06)	IP 00	IP 20	
Housing size (L x W x H)	92 mm x 52.5 mm x 68 mm	54.5 mm x 32 mm x 50.8 mm	80.5 mm x 41 mm x 125 mm
Housing colour	grey, RAL 7035	black	

Spacer plate

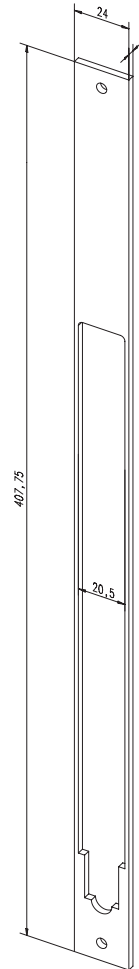
Stainless steel spacer plate suitable for strike plate for adjusting the rebate clearance.



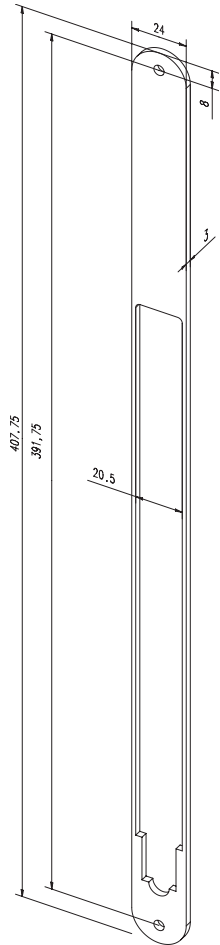
Spacer plate



Spacer plate with round ends



Renovation spacer plate



Renovation spacer plate with round ends

Ordering information spacer plate and sliding piece

Item description	Suitable for electric strike with strike plate	Order code
Spacer plate; 355.75 mm x 28 mm x 3 mm	65-----30A35E9I	Z65-30A35----01
Spacer plate; 355.75 mm x 24 mm x 3 mm	65-----31A35E9I	Z65-31A35----01
Spacer plate with round ends; 355.75 mm x 24 mm x 3 mm	65-----60A35E9I	Z65-60A35----01
Renovation spacer plate; 407.75 mm x 24 mm x 3 mm	65-----34A35E9I	Z65-34A35----01
Renovation spacer plate; 407.75 mm x 28 mm x 3 mm (without diagram)	65-----36A35E9I	Z65-36A35----01
Renovation spacer plate with round ends; 407.75 mm x 24 mm x 3 mm	65-----61A35E9I	Z65-61A35----01
Sliding piece; 100 mm x 30 mm x 3 mm (see p. 14)		65.000010

ELECTRIC DOOR STRIKE

effeff door strikes offer a high degree of security and are easy to use. Our wide range fulfils all requirements and includes models for all types of installation.

This applies worldwide as effeff products comply with both national and international regulations. effeff's convincing solutions for smoke protection doors, fire rated doors and doors in escape routes.



ELECTRIC BOLTS

effeff electric bolts reliably complement locks and door strikes and are used for special applications e.g. swing doors or sliding doors where they act as an additional locking mechanism. For door bolts with integrated monitoring contact, the locking state can be monitored so that e.g. a system can only start when the corresponding door is also securely locked.

Application possibilities range from the simple drawer to elevator doors and high security zones.



ESCAPE DOOR SYSTEMS

When danger is imminent have confidence in effeff's know-how and reliability. Our rescue path systems ensure secure operation of the escape route door irrespective of whether the door requires locking or may only be used by authorized persons. Absolute secure use of escape routes in case of danger is ensured at all times.

effeff escape door control systems ensure protection and security e.g. in hospitals, schools, kindergarten, office buildings, airports and exhibition halls. For your special applications too, we have the fitting solutions e.g. closed departments in clinics.



SECURITY LOCKS

First and foremost security: The effeff electric security locks with anti-panic function and self-locking mechanism ensure maximum mechanical security in conjunction with high operating comfort for the user. The effeff range of locks is suitable for use both in fire doors and escape and rescue routes.



ELECTRO HOLDING MAGNETS

A wide variety of magnets is an integral part of the effeff range of locking mechanisms.

Thanks to the virtually silent function and special advantages of subsequent mounting, magnets present an excellent additional locking mechanism. The outstanding feature of the effeff magnets is the high-quality surface and attractive design.



SWING DOOR OPERATOR

It is hard to imagine many buildings today without automatic power-operated doors. They facilitate free entry without barriers and thus simultaneously save energy. The effeff electromechanical and electrohydraulic swing door operators for one and two leaf swing doors are suitable for both private and commercial areas of application.



ACCESS CONTROL SYSTEMS

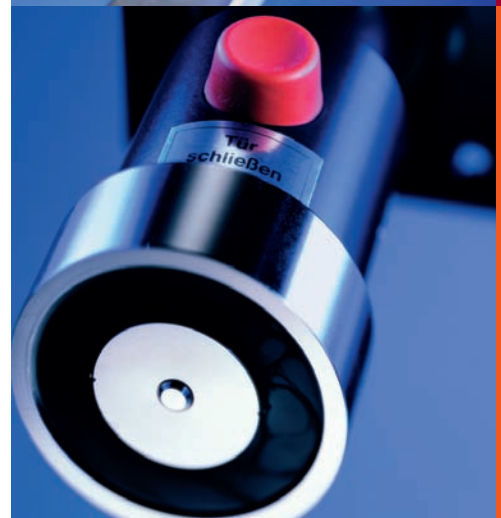
The simple solution for maximum security! effeff access control systems protect and monitor buildings, individual rooms or other security-relevant zones.

effeff offers a wide range of varying technologies, devices and systems that are aligned to the special security requirements. effeff access control systems meet the special requirements of our customers and are used in private, official and industrial zones.



AUTOMATIC DOOR ARRESTER SYSTEMS

effeff automatic door arrester systems secure fire-retardant doors that must remain open for daily use. As soon as smoke is signaled, the arrester mechanism releases the door. The fire doors close and prevent fire and smoke gases from reaching adjoining rooms and buildings and fire from spreading.



NOTES

The perfect lock solution

from effeff and IKON

MEDIATOR

for entrance doors in

Apartment buildings

ASSA ABLOY
Sicherheitstechnik GmbH
Bildstockstraße 20
72458 Albstadt
DEUTSCHLAND
Tel. +49 7431 123-0
Fax +49 7431 123-240
albstadt@assaabloy.de
www.assaabloy.de



Founded as a precision engineering and electrical engineering workshop in 1936, **effeff** is a global leading brand for electromechanical locking and unlocking devices.

Electric strikes, electric bolts, security locks, access control systems and escape route technology are among the effeff brand products which today provide security and convenience in over 75 countries throughout the world.

Originally part of the ZEISS IKON AG company founded in 1926, **IKON** is ASSA ABLOY's most successful brand for locking and security technology in Germany. The IKON brand offers state-of-the-art products and solutions at the cutting edge of technology. The brand product range includes high-quality mechanical and mechatronic locking cylinders, auxiliary locks and security devices, door fittings and door closers. They provide active burglary protection and safeguard both people and property.

ASSA ABLOY Sicherheitstechnik GmbH is the professional partner worldwide in mechanical and electromechanical security solutions for safety, security and convenience in buildings. The company develops, produces and markets high-quality products and multi-purpose systems under the established IKON and effeff brand names for the private, commercial and public sectors.

ASSA ABLOY is the world's leading manufacturer and supplier of door opening solutions, meeting tough enduser demands for safety, security and convenience. With over 30,000 employees, the Group achieves sales of over EUR 3 billion.