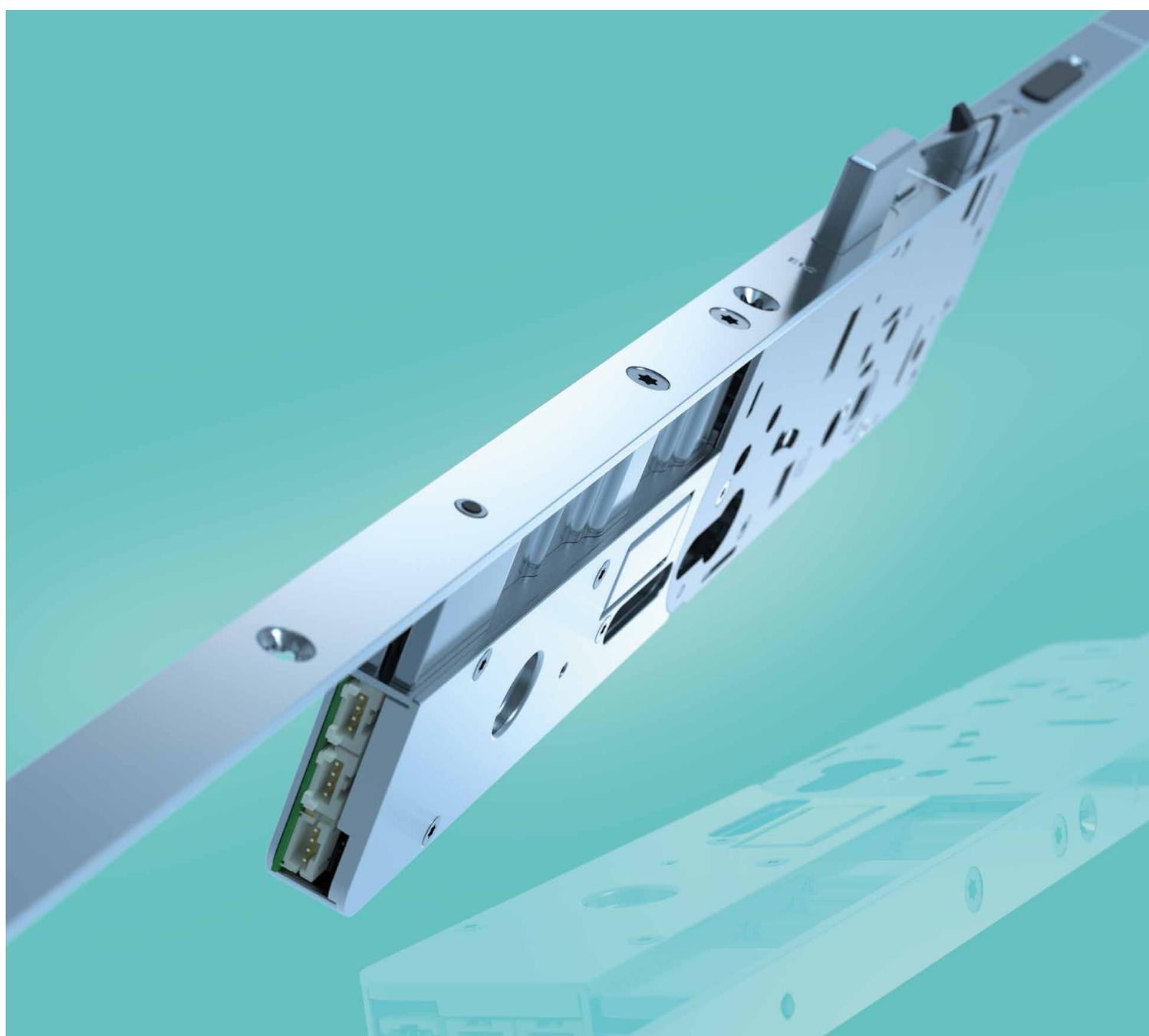




TECHNOLOGY IN MOTION

# Fast unlocking, versatile opening

THE FASTEST  
M-TS MOTORISED LOCK



TIMBER  
PVC  
ALUMINIUM

# Uniquely fast Incredibly quiet

## M-TS THE FASTEST MOTORISED LOCK

After a long day, you want to come home, leave all the noise outside and quickly settle into your cosy home. The door is closed, and everyday life stays outside. For this, the M-TS is the best choice. The fastest motorised lock on the market – in its operation and its processing.



### Open quickly

The motor sits on the main lock box and directly controls the locking system. This opens the door faster and quieter than conventional models, in a record time of just 0.3 seconds.



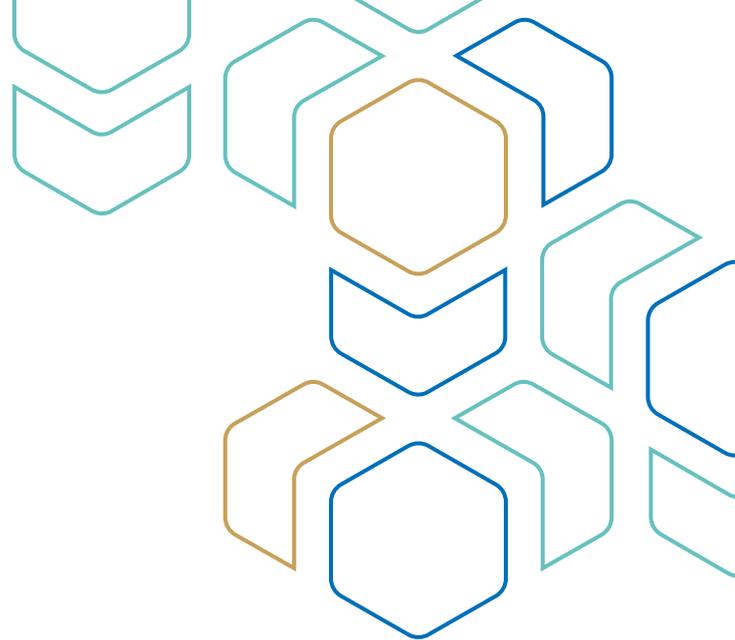
### Versatile opening

Access solutions can be easily and individually integrated, thanks to Plug & Play.



# Strength lies in peace

By generating the gasket compression mechanically using our proven 3-latch technology, the motor can concentrate on the essentials of locking and unlocking. That makes the M-TS uniquely fast and incredibly quiet!



## Secure monitoring

The M-TS locks motorically and securely at three points. Via the integrated closure monitoring, it can be integrated into surveillance systems as well as smart home systems.

## Saving maximum energy

When pulling the door, the 3-latch technology, with its automatic gasket compression, ensures the perfect hold and protects against door warpage. The motor is only used when locking and unlocking.



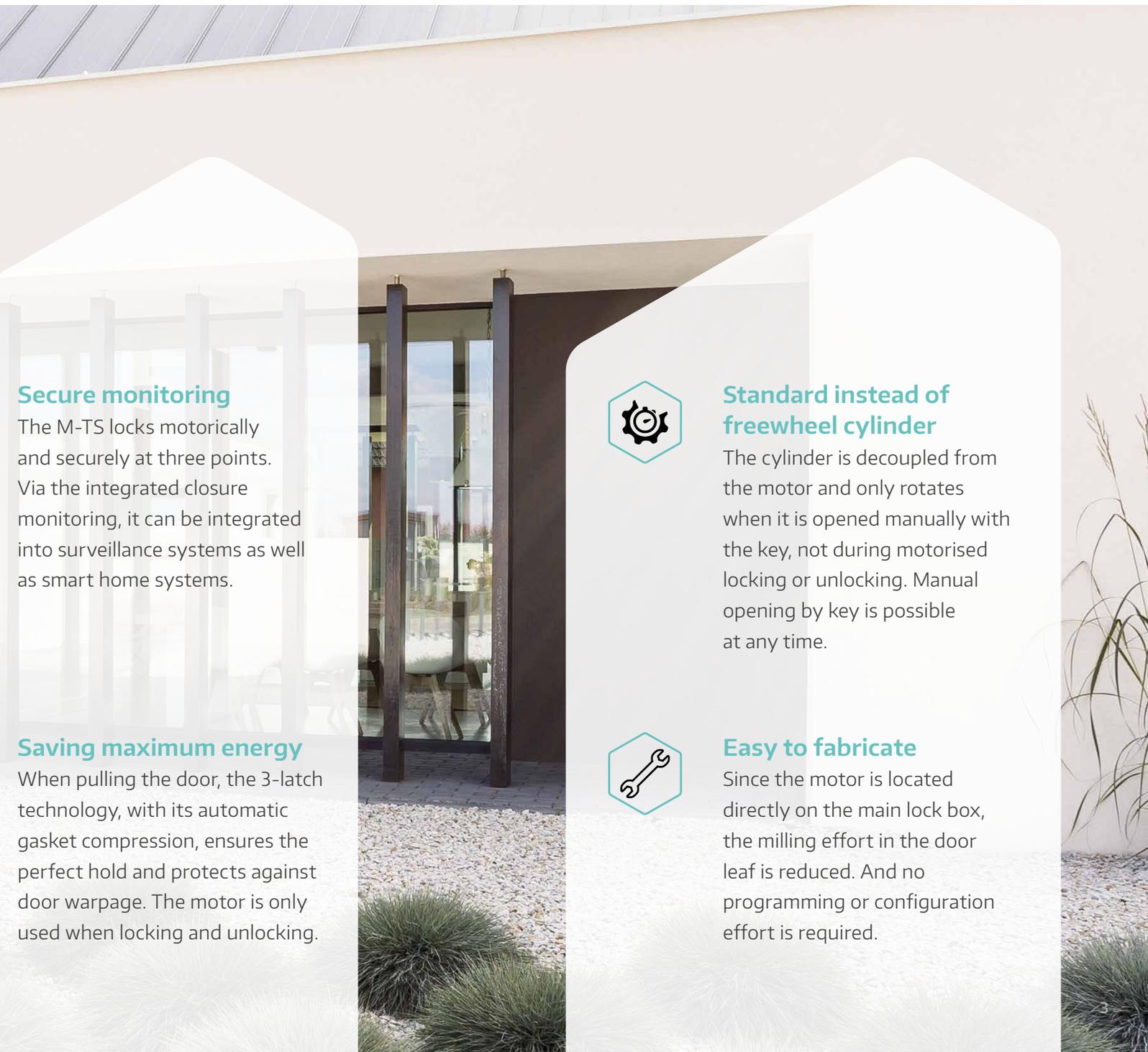
## Standard instead of freewheel cylinder

The cylinder is decoupled from the motor and only rotates when it is opened manually with the key, not during motorised locking or unlocking. Manual opening by key is possible at any time.



## Easy to fabricate

Since the motor is located directly on the main lock box, the milling effort in the door leaf is reduced. And no programming or configuration effort is required.



# Unlock quickly and keylessly As individual as your customers

The M-TS is the most user-friendly lock for convenient opening of a door via an access control system - whether that's with a keypad, finger print, transponder or smartphone app. You decide! And thanks to prefabricated plug & play combinations of the MACO openDoor series, everything is easy to assemble and thus no electrician is needed.

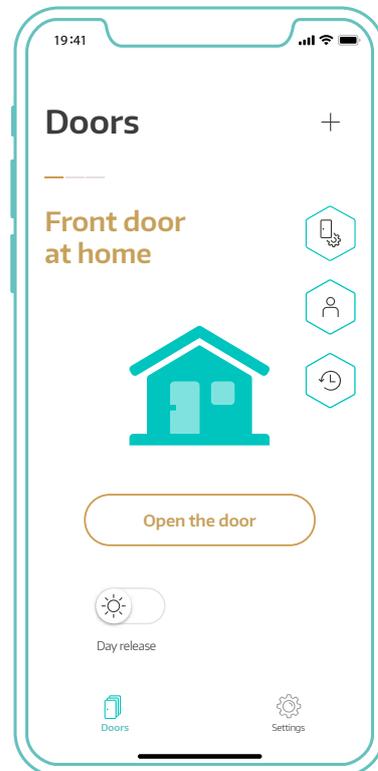


## M-TS

# Open via app or finger scan

The app turns your smartphone into the key. Access is controlled more individually and securely than ever, thanks to encrypted wireless technology and the Bluetooth module hidden invisibly in the door leaf.

- › Alternatively, it can be combined with the finger scan.
- › Convenient opening from the inside is done via the door handle, or alternatively via a wall button or intercom.
- › The M-TS can always be opened classically by key – without effort and with just a single turn of the key.



## Convenient day release

- › Allows keyless opening from the outside by simply pushing the door.
- › Quick activation and deactivation of the day release via a wall switch. Matching E-Opener available.
- › Secure hold of the door leaf via the main latch, even during gusts of wind.

## Simple and fast implementation

The app-based access solution is the most straightforward. It only needs to be paired with the Bluetooth module on the motor and does not need any additional end devices. Additional milling in the door leaf is no longer necessary.

# Security with control

This is ensured by the integrated closure monitoring as a partner to the access control and monitoring systems. It complements the mechanical burglary protection and ensures a feeling of maximum security and safety. Quickly and easily, it provides control over the security status of the home at any time, even when on the go. Since the M-TS is an open system, it can be combined with commercially available smart home systems or alarm systems for comprehensive building protection.

## Smart Home capable

- › The M-TS can be wired into basically any third-party system.
- › It is easy to integrate into commercially available alarm systems, which trigger and alarm in the event of a burglary. casually alert.
- › Or it is integrated into common smart home systems - not only for monitoring, but also for opening the door.



# Mechanical closing, motorised locking and unlocking



**1** THREE LATCHES FOR A PERFECT HOLD

Three latches extend mechanically and ensure permanent, evenly distributed gasket compression. A magnetic trigger monitors the closing function. Thus, the door closes tightly over the entire door height, keeping draughts and moisture outside and the warmth inside.



**2** CLOSING MECHANISM TRIGGERS MOTORICALLY

As soon as the door "sits" and the latches have entered the frame, two hooks and the locking bar extend motorically and lock the door during pulling at three points without having to lock it additionally.



**3** TRIPLE SECURE LOCKING WITH STATUS MONITORING

Powerful transmission ensures fast locking with integrated status monitoring. So, no one gets in, but everyone gets out. Universal plugs on the motor open up a variety of connections for access solutions according to individual requirements.

# A holistic system for easy processing

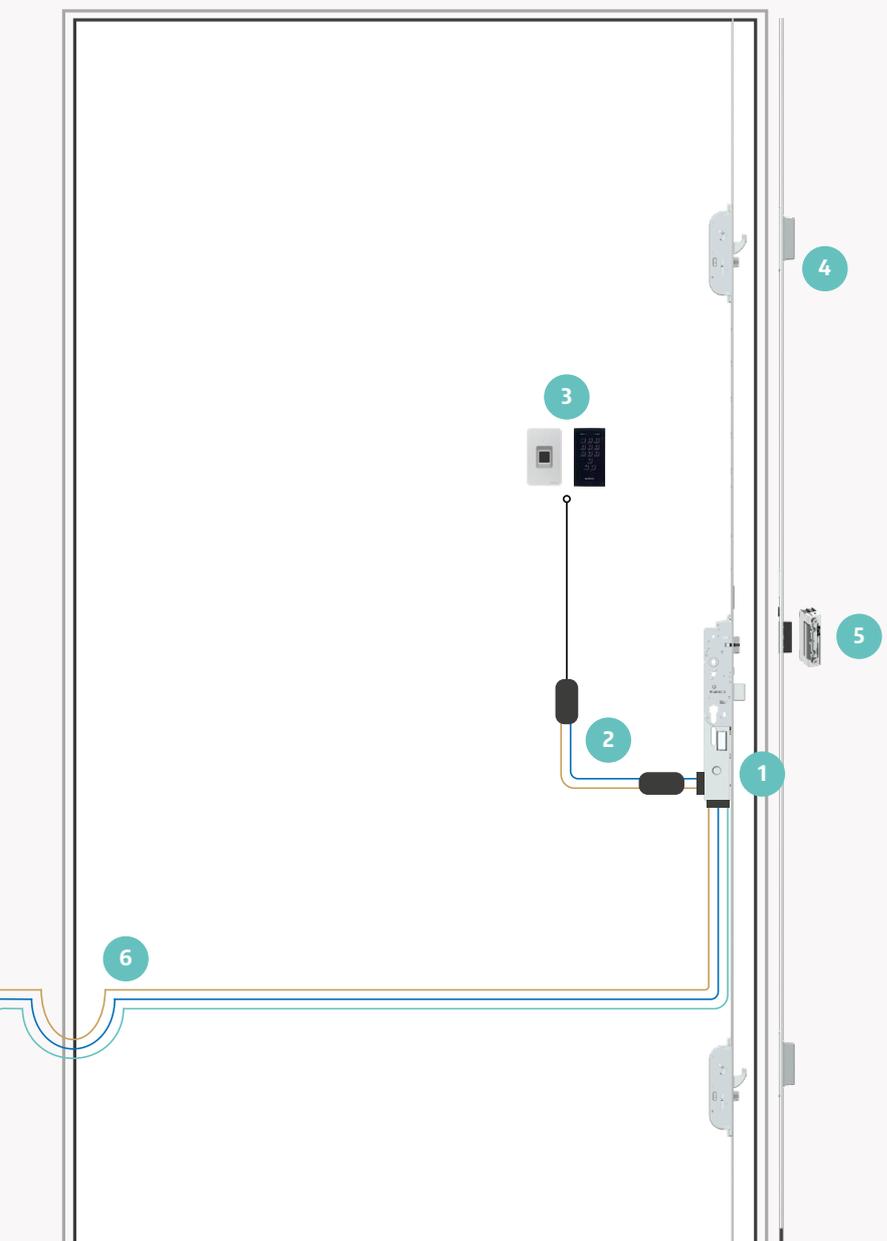
For the M-TS, MACO not only supplies the locking system, but also the necessary system cables, cable transitions and power supplies. All components can be simply combined using Plug and Play.

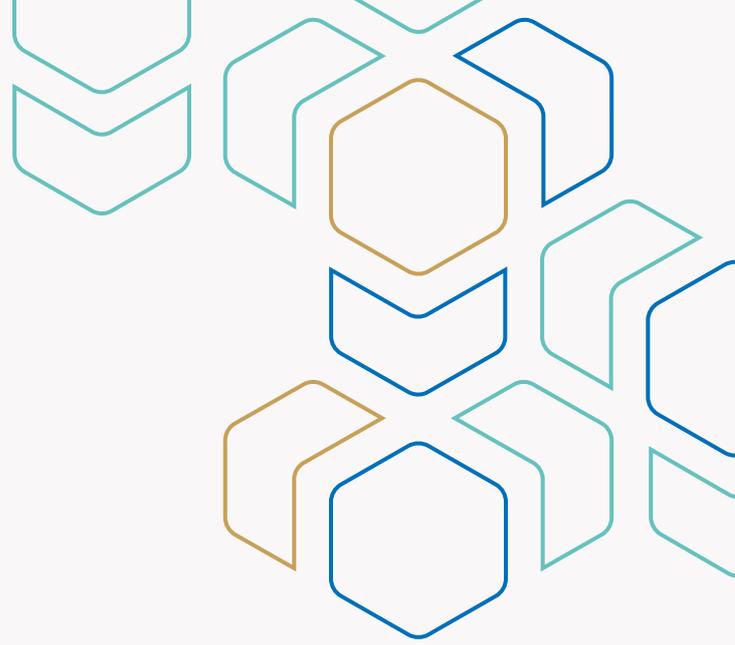
- 1 M-TS**  
The motor sits directly on the main lock casing. That's what makes it so quick and quiet.
- 2 BLUETOOTH MODULE**  
The Bluetooth module is ready-to-plug and plugged directly into the motor. For this, only the milling on the main lock box has to be slightly enlarged.
- 3 KEYPAD / FINGERPRINT**  
Simply integrate into the door leaf and connect to the lock box or Bluetooth module.

Power supply **7**

Connection to access control or intercom

Connection to alarm system





4

#### **STRIKER PLATES / SINGLE PIECE DOOR STRIKER**

The striker plates / single piece door strikers can be adapted depending on the door height and locking requirements.

5

#### **E-OPENER**

With an E-Opener, day release via a wall switch is possible - for fast, keyless opening.

6

#### **CABLE TRANSITION**

Cable transition or plunger contact complete the package.

7

#### **POWER SUPPLY**

Available in two versions - for the flush-mounted box or for the DIN rail.

## Everything from a single source

Cable transitions and power supplies are perfectly matched to the M-TS. This ensures reliable operation as well as the simple and smooth installation.

Power failure? No problem. Even then, the door can be opened via access control. Ask about our UPS solution.



Flush-mounted power supply



DIN rail power supply



UPS Module

# Few components maximum variety

Maximum possibilities with just a few articles, MACO supports you with service from a single source. The M-TS range comprehensively covers individual customer requirements and market-specific special features.



- 1 SASH REBATE HEIGHT**  
 from 1,800 – 2,000 mm  
 from 2,000 – 2,200 mm  
 from 2,200 – 2,400 mm
- 2 CASE DIMENSION TOP**  
 K + 605 mm  
 K + 730 mm  
 K + 980 mm
- 3 CASE DIMENSION BOTTOM**  
 K - 760 mm
- 4 SQUARE**  
 8 and 10 mm
- 5 DISTANCE**  
 E92
- 6 BACKSET**  
 35, 40, 45, 50, 55,  
 65, 70, 80 mm

Usable on both right and left

**FLAT FACEPLATE**



**ROUND FACEPLATE**



**U-FACEPLATE**



**TOP HAT FACEPLATE**



## Faceplate shapes

The profile range is large, as is the selection of faceplate shapes - as a stable, high-quality standard solution or tailor-made. Top quality ensures Look with time and cost saving installation.

The top hat faceplate takes appearance to the next level. It conceals inaccuracies in milling and prevents dirt deposits in the gap between the faceplate and the hardware groove.

7

### **FLAT FACEPLATE**

20, 24 mm

### **ROUND FACEPLATE**

20 mm

### **U-FACEPLATE**

6 x 24 x 6 mm

### **TOP HAT FACEPLATE**

24 / 16 mm

8

### **HANDLE HEIGHT**

1.020 und 1.050 mm

## One lock, two sashes



Various doors can be manufactured with the M-TS. In addition to front and side entrance doors, also double-leaf doors for spacious entrance areas are feasible.

This is where front door bolts are used in combination with individual striker plates.

# One striker plate basis Many doors

The wide range of individual striker plates and single piece striker plates is based on a single striker plate basis for a wide range of lock variants. Benefit from the modular design with easy installation - for different sash rebate heights and suitable to any customer requirement.



ALU





TIMBER



PVC



# One motorised lock

## Many advantages ...

### 3-latch technology

for perfect closing and a secure hold

### Motorised locking

at three locking points

### Secure opening

with any kind of access control

### Wide choice

- › for front and side entrance doors
- › PVC, timber and aluminium doors
- › for 1 and 2 sash doors

### Stable

Protects the door from warping

### Durable

Permanently smooth closing function

### Smooth

comfortable opening and closing

### System compatible

Manufacture many lock solutions with a single range of striker plates, from basic to premium

### Surface finish

Silverlook Evo finish as standard, Tricoat and stainless steel on request

### Certification

EN 14846, SKG\*\*, VdS certification in preparation

### Conform

according to QM 342

### Burglary Prevention

according to DIN EN1627-30, RC 2 to RC 3 capable



## and services



### Very fast

Opens twice as fast as other locks



### Easily accessible

In combination with access control, wall button and swing door drive



### Particularly quiet

Sets new standards in motor noise



### Comfortable

Convenient opening and locking without keys



### Soundproof

Noise stays outside



### Secure

Recognised by insurance companies



### Energy efficient

Protection against drafts, moisture and heat loss

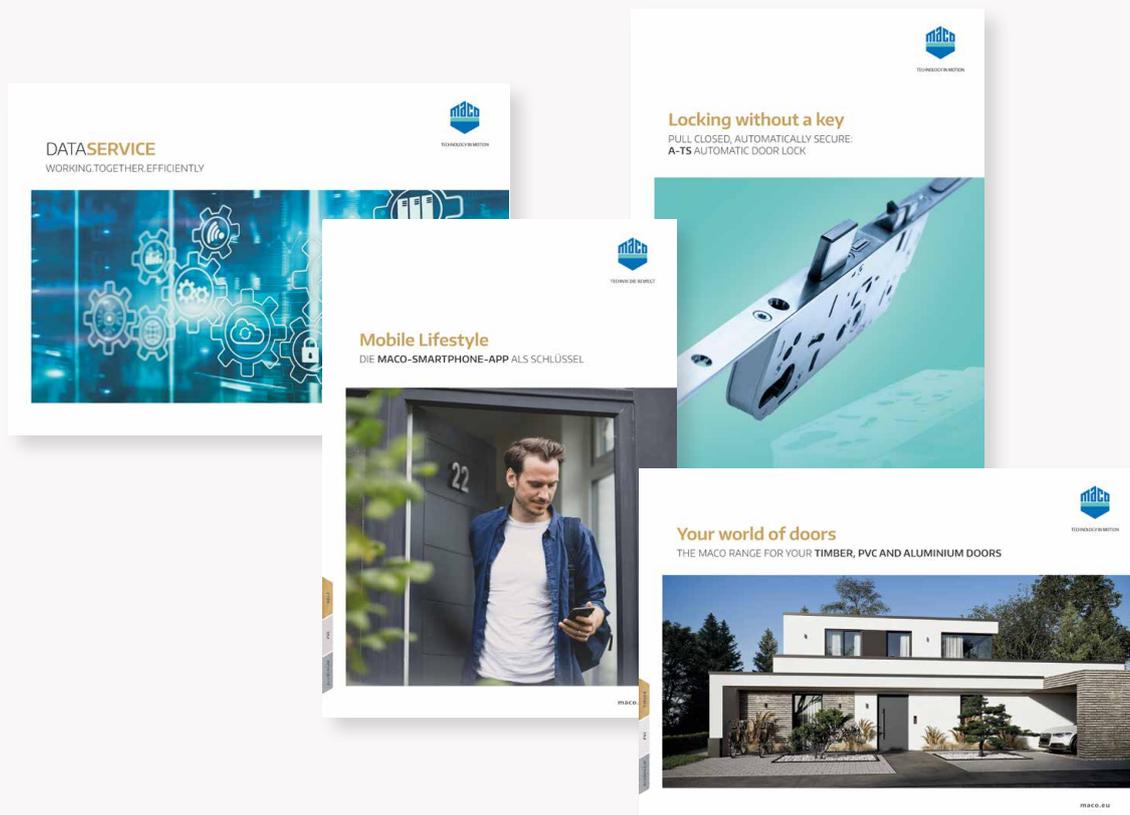


### Smart-home-enabled

Status monitoring as standard

# Would you like everything from a single source?

With us you get complete solutions for your large surfaces, windows and doors – for timber, PVC and aluminium. Experience our versatile systems range with comprehensive service included. Discover more on our website [www.maco.eu](http://www.maco.eu) or contact your MACO customer advisor.



**MACO near you:**  
[www.maco.eu/contact](http://www.maco.eu/contact)



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