

FUHR



PIVOT DOORS

The system solution

www.fuhr.de



Know-how. For exceptional requirements.

Pivot doors are one of the most sophisticated door designs used in deluxe residential and commercial buildings and are becoming increasingly popular. Maintaining high levels of safety and seal tightness is often a challenge when working with these often very large elements. FUHR makes automatic locking systems for prestige entrance doors of this kind.

Series **autosafe** 835 is supplemented by a powerful **autotronic** motor drive. This system provides automatic multipoint locking on both sides coupled with convenient, motorised opening. Intelligent **DuoSecure** technology with sturdy hook bolts locks the doors securely. Additional latching bolts seal the doors tightly. Doors more than 2.5 m tall can be

easily created by using the appropriate extensions. Power and signals are transmitted via special tappet contacts, which are both low-maintenance and easy to install. The optional battery module guarantees an uninterrupted power supply even in the event of power failure.



The perfect choices for both sides of your door.

Wide side of the door leaf

The **autosafe 835PK** or **835Pivot** is used on this side of the door leaf. The automatic multipoint locking system is supplemented by an **autotronic** motor drive. The switching contacts of the lock ensure that the motors work perfectly on both the wide and narrow sides of the door leaf. You are free to decide whether you activate them using an access control system, push button, lever handle or cylinder. As a further bonus and for added convenience, this locking system also provides an optional permanently open function without needing an additional control unit.

Narrow side of the door leaf

Equip this side of the leaf with either the standard **autosafe 835** automatic locking system or the **autosafe 835P** panic version. The **autotronic** motor drive is also fitted on this side.



Intelligent components for secure pivot doors.



DuoSecure for ultimate security

autosafe 835 locks use type 10 locking mechanisms with robust hook bolts for ultra-secure pivot door locking. The innovative **DuoSecure** technology

with special sequence control provides convenient automatic locking and creates a tight seal.



Clever locking technology

The **autosafe 835PK** automatic multipoint locking system is equipped with switching contacts. This makes it possible to control the motor drives from both sides of the pivot door leaf to ensure that the door opening process runs smoothly.

The **autosafe 835Pivot** version has been specially developed for use in pivot doors fitted with inside door handles. It synchronises the motorised opening of both locks when either the lever handle or cylinder is operated.



Powerful motor drive

The retrofittable motor drive has a patented dual motor configuration for speedy unlocking. It is designed for universal use with a 12 or 24 V DC power supply and offers a wide range of impressive connection options:

- Universal inputs for potential-free or energised opening signals for short-term or permanently open function

- Fused 350 mA output with 12 V DC for direct connection of an access control system or an illuminated door element
- Mount for plug-in FUHR wireless modules for use with FUHR access control systems (without a separate control unit)
- Option of connecting an indicator LED for the outside of the door



Extension

Type 10 locking device for an additional locking point in the upper door leaf area for doors over 2.5 m tall. Can easily be shortened by 200, 400 or 600 mm to the desired length.



Tappet contacts

For wireless power transmission from the frame to the door leaf. Available in profile-specific versions for concealed hinges and pivot doors. The pivot function is further optimised by a special mounting plate with bevelled edge for the contact surface.



Battery module

The battery module ensures that motor locks remain operational even in the event of a power failure. If the 230 V mains voltage fails, it jumps in to provide the 12 V DC operating voltage without interruption. It is generally advisable to use a battery module to ensure flawless function when using tappet contacts in pivot doors and especially for doors that are not fitted with a cylinder or lever handle.

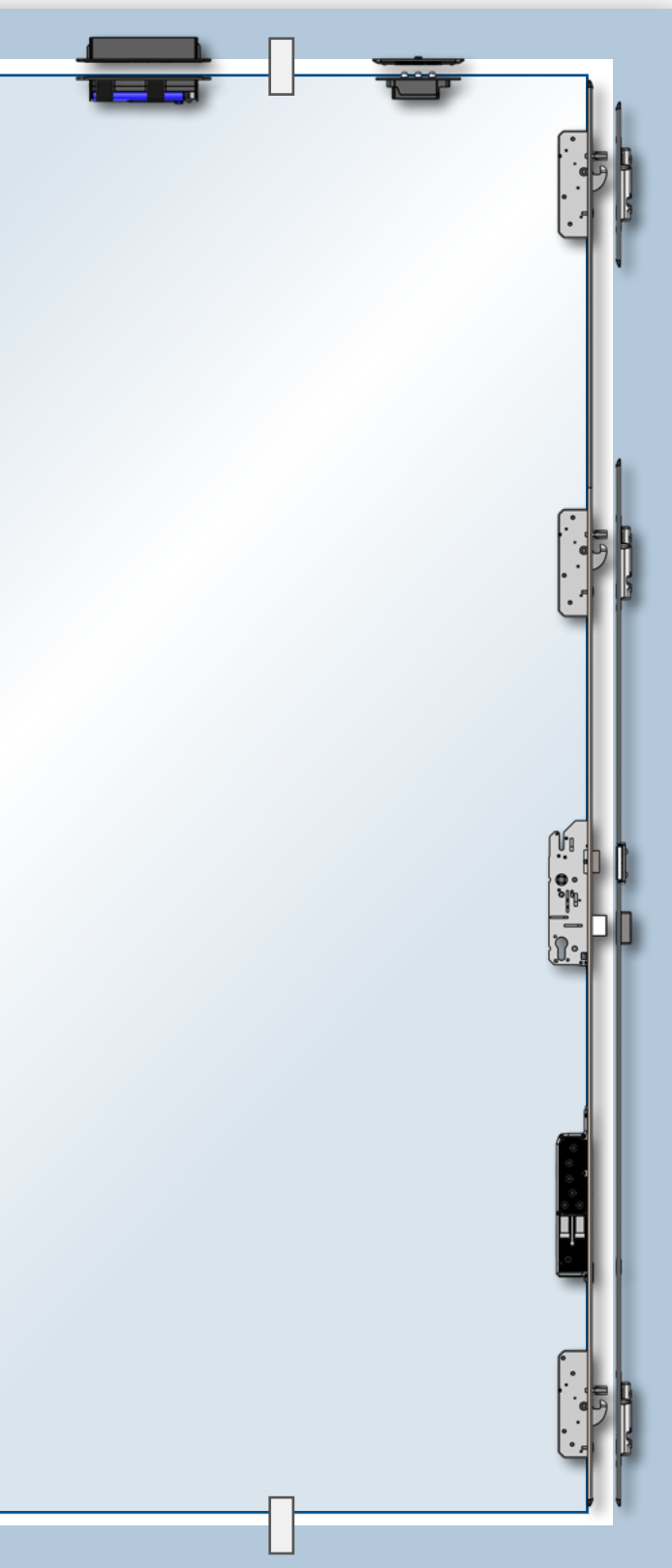
Pivot door solution.

Impressive benefits for flexible applications.

Your benefits:

- ✓ Secure, automatic locking on both leaf sides
- ✓ Sturdy latching bolts for a flawless locking process and a tight seal
- ✓ Fast and powerful motorised unlocking
- ✓ Convenient door opening using FUHR wireless access control or external access control systems
- ✓ Handy permanently open function accessible via the universal motor drive (no additional control unit)
- ✓ Synchronised unlocking of locks, even when using an inside door handle
- ✓ Innovative, patented pivot door solution
- ✓ Easy to add extensions for tall doors
- ✓ Simple wiring
- ✓ General usability of modular standard components for various applications
- ✓ Tappet contacts can be used, doing away with the need for special pivot hinges with cable grommets
- ✓ Solutions for doors made from all kinds of materials





Required components

- Automatic locking mechanism **autosafe 835PK** type 10 for the wide leaf side.
Alternatively: **autosafe 835Pivot** type 10
- Automatic locking mechanism **autosafe 835** or **835P** type 10 for the narrow leaf side
- 2x **autotronic** 12/24 V motor drive
- Cables
- Power supply (frame or DIN rail), 12 V

Recommended components

- 12 V battery module for installation in the leaf to ensure uninterrupted operation and safety in the event of a power failure
- Profile cylinders on both sides let the door be opened manually at any time

Optional components

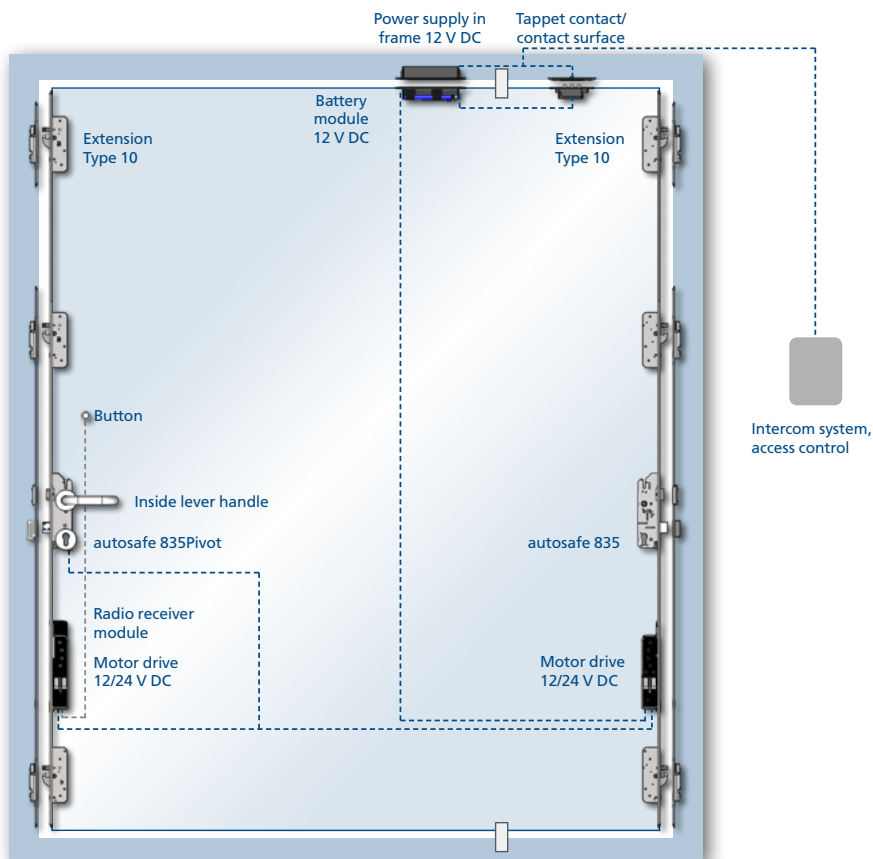
- Type 10 extensions for doors over 2.5 m tall
- Tappet contacts for concealed hinges and pivot doors and contact surfaces with special mounting plates
- Radio receiver module for using FUHR wireless access control, e.g. radio key or radio fingerprint scanner
- Smart radio receiver for use with the KeylessGo SmartTouch comfort access system
- FUHR access controls or external access controls
- Button or switch for short-term or permanent opening from the inside
- Deadbolt switching contacts for monitoring the locking of main and secondary locking systems, e.g. for integration into an alarm system

Custom pivot doors. Versatile mounting options.

Door with tappet contacts

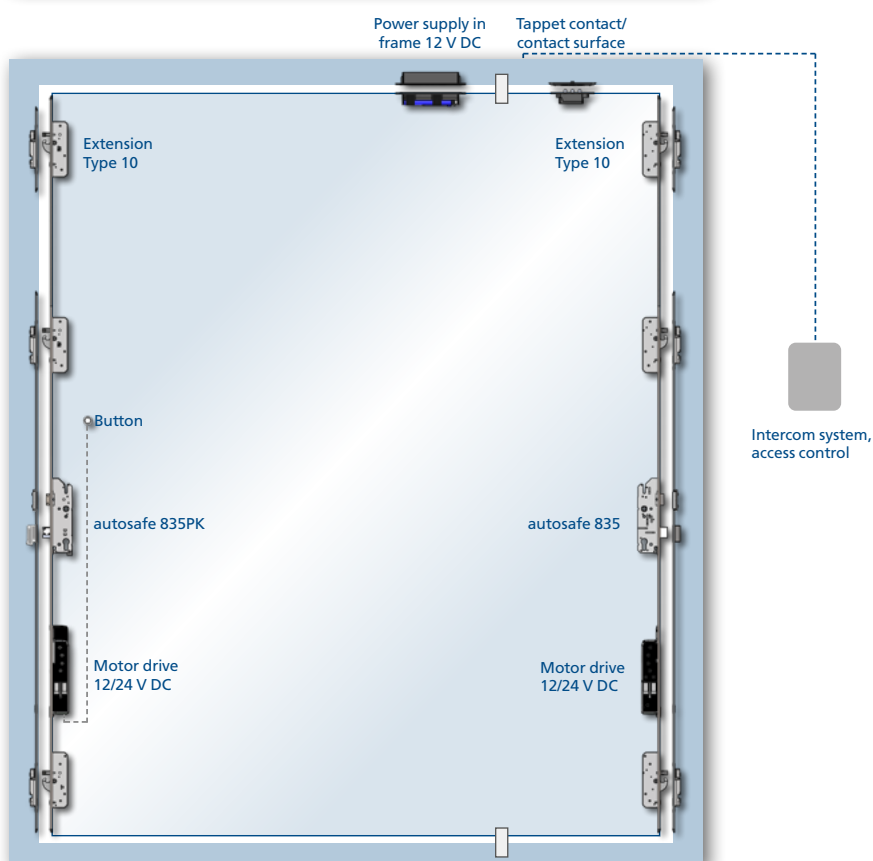
Variant 1 – with inside lever handle:

- **autosafe 835Pivot** with extension
- **autosafe 835** with extension
- 2x **autotronic** 12/24 V motor drive
- Tappet contact/contact surface
- Power supply installed in frame
Alternatively: DIN rail power supply
- Battery module
- Radio receiver module (optional)
- Intercom system/access control
- Inside lever handle
- Interior button (optional) for opening the door or switch for optional permanently open function
- Deadbolt switching contacts (optional)



Variant 2 – without inside lever handle:

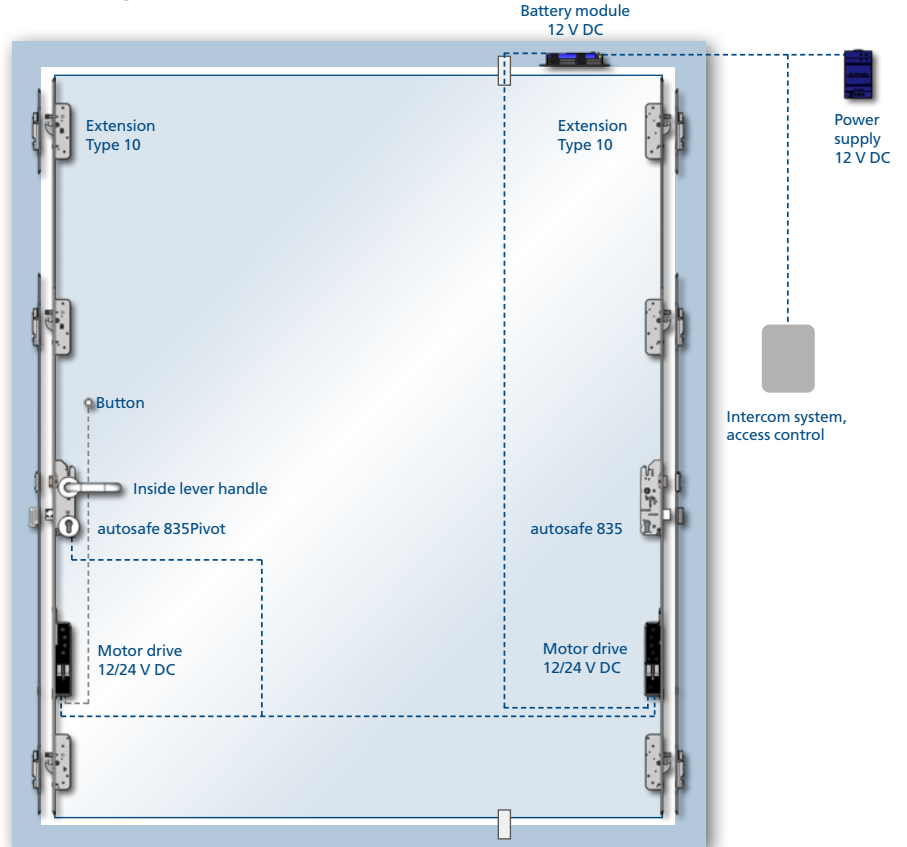
- **autosafe 835PK** or **835Pivot** with extension
- **autosafe 835** with extension
- 2x **autotronic** 12/24 V motor drive
- Tappet contact/contact surface
- Power supply installed in frame
Alternatively: DIN rail power supply
- Battery module
- Radio receiver module (optional)
- Intercom system/access control
- Interior button for opening the door or switch for optional permanently open function
- Deadbolt switching contacts (optional)



Door with cable grommet in pivot hinge

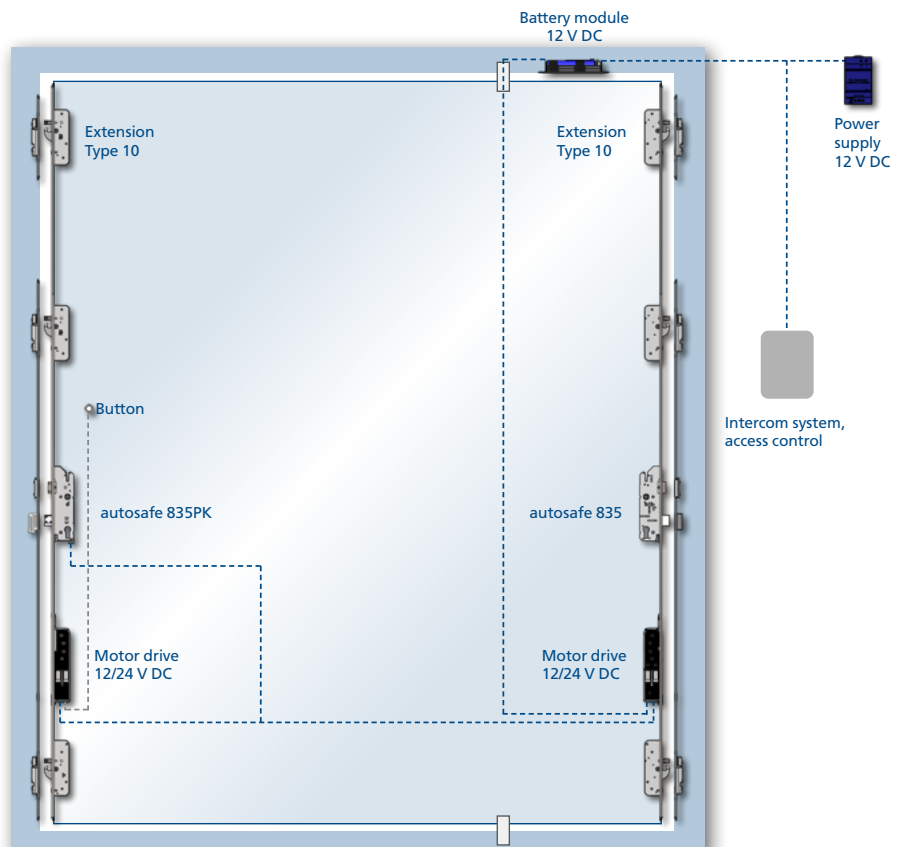
Variant 3 – with inside lever handle:

- **autosafe 835Pivot** with extension
- **autosafe 835** with extension
- 2x **autotronic 12/24 V** motor drive
- Pivot hinges with cable grommet
- DIN rail power supply
- Battery module (optional)
- Intercom system/access control
- Inside lever handle
- Interior button (optional) for opening the door or switch for optional permanently open function
- Deadbolt switching contacts (optional)



Variant 4 – without inside lever handle:

- **autosafe 835PK** or **835Pivot** with extension
- **autosafe 835** with extension
- 2x **autotronic 12/24 V** motor drive
- Pivot hinges with cable grommet
- DIN rail power supply
- Battery module (optional)
- Intercom system/access control
- Interior button for opening the door or switch for optional permanently open function
- Deadbolt switching contacts (optional)



The type 10 automatic locking system. Always a great fit.

Specification

Automatic multipoint locking system.
Suitable for domestic and commercial doors made of aluminium, steel or wood.

- Secondary, type 10 locking devices – automatic latching bolt with steel hook bolt
- Prepared for profile or round cylinders, no free-movement cylinders required
- Can be used on right/left thanks to simple latch changeover
- Fire resistant version already standard for **autosafe 835PK** and **835P**, optionally available for **autosafe 835**
- **autosafe 835PK** with switching contacts
- **autosafe 835Pivot** for synchronised motorised opening of both locks using lever handle or cylinder

Technical details

- **Faceplate version:**
Flat 20 and 24 mm,
U 22 x 6, 24 x 6, 24 x 6.7 and U 30 x 8 mm
- **Surface:**
FUHR Silver, FUHR Silver ground finish and stainless steel
- **Backset:**
35, 40, 45, 50, 55, 65 and 80 mm
- **Follower:**
8 and 10 mm,
9 mm (**autosafe 835PK** and **835P**)
- **Centre:**
PC 92/72 mm,
RC 94/74 mm



Variety of solutions thanks to extensive range of accessories.

Accessories



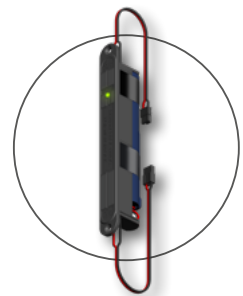
Power supply

For DIN rail or frame mounting, 12 or 24 V DC



Tappet contacts for concealed hinges

For wireless power transmission, optional mounting plate with bevelled edge available



Battery module

12 V DC, standby time up to 20 h



autotronic motor drive

12/24 V DC, retrofittable



Contact magnet

For use with motor drive



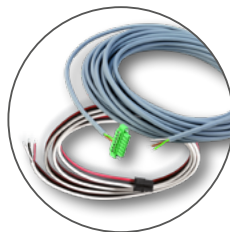
Type 10 magnet release

Suitable for all type 4/10/11 standard or one-piece strike plates



Cable for switch contacts

For simultaneous motorised opening of both locks, including with lever handles or cylinders



Connection cable

Depending on the selected mounting variant



Extension type 10

For door heights over 2,500 mm



CARL FUHR GmbH & Co. KG
Locks and fittings
Carl-Fuhr-Straße 12
42579 Heiligenhaus, Germany
Tel.: +49 2056 592-0
www.fuhr.de · info@fuhr.de



Further information on
this product series, such
as installation details and
accessories, can be found
on our website.