SHEV

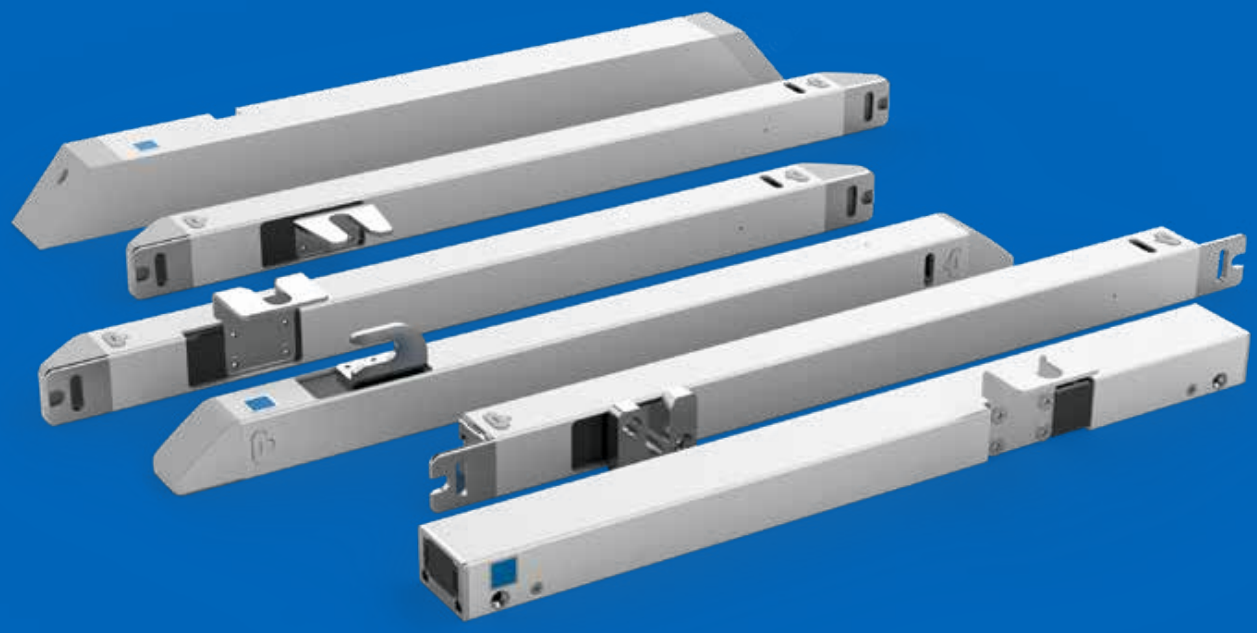
Ventilation

aumüller

auf. zu. mehr.

Safe. Flexible. Visually appealing.

LOCKING DRIVE



Reliable locking solutions for every application.

VENTIO by hsl SOLUTIONS

Str. Sinaia, Nr. 25-29, Ștefănești de Jos, Jud. Ilfov · contact@ventio.ro · www.ventio.ro · 0762.921.795

Technical data

Locking Drive

- For controlled natural ventilation, SHEV and ferralux®-SHEV in accordance with EN 12101-2
- Variants for different window types and opening types
- M-COM-compatible integrated control electronics and sequence control for drives in S1/S3/S12 versions
- Interchangeable fitting- or profile-specific drivers
- Programming of special functions directly ex works or via our DCT configuration tool

Technical data FV Click

Operating voltage	24 V DC
Cut-off current	0.9 A
Protection rating	IP32
Ambient temperature	-5 °C to +60 °C
Holding force	1,500 N
Tensile force/thrust max.	600 N
Tensile strength	1,000 N
Stroke	18 mm

Technical data FVUx

Operating voltage	24 V DC
Cut-off current	1.0 A
Protection rating	IP32
Ambient temperature	-5 °C to +60 °C
Holding force	1,500 N
Tensile force/thrust max.	600 N
Tensile strength	1,000 N
Stroke	18 mm

Technical data FV

Operating voltage	24 V DC
Cut-off current	0.9 A
Protection rating	IP32
Ambient temperature	-5 °C to +60 °C
Tensile force/thrust max.	600 N
Stroke	18 mm

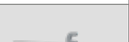
Technical data OFV

Operating voltage	24 V DC
Cut-off current	1.1 A
Protection rating	IP32
Ambient temperature	-5 °C to +60 °C
Holding torque	22 Nm
Torque	10 Nm
Rotation angle/direction	90°/180° (right/left)

Locking Drive

Reliable locking solutions for every application.

For practical window automation, secure locking is often just as important as the opening and closing function itself. Especially in large windows with long profiles, additional locking points are required to ensure reliable airtightness when the window is closed. In regions exposed to high wind and rain loads, secure locking becomes essential. Whenever additional locking points are used, a coordinated system for locking and unlocking is required. AUMÜLLER locking drives provide the ideal solution for maximum safety, flexibility, and comfort in window automation. Whether used in smoke and heat extraction systems (SHEV), façade-integrated natural ventilation systems, or controlled natural ventilation applications, AUMÜLLER locking systems operate discreetly and reliably while adapting to a wide range of requirements and installation scenarios. Thanks to their compact design and modern appearance, FVU drives can be integrated seamlessly into the profile or installed as a discreet surface-mounted solution.

Window	Without Locking Rod		With Locking Rod				With Locking Rod and Gearbox
Drive	FV1/3/4	FVUE	FVUI	FVUR	FVUB	FV Click	OFV
							
Position and Opening Direction	Frame, Inward-Opening Frame, Outward-Opening Sash, Inward-Opening	Frame, Inward-Opening	Frame, Inward-Opening Frame, Outward-Opening	Frame, Inward-Opening Sash, Inward-Opening	Frame, Inward-Opening	Frame, Inward-Opening	Sash, Inward-Opening
Installation Type	Surface-Mounted	Surface-Mounted	Integrated incl. Emergency Release	Surface-Mounted	Surface-Mounted	Surface-Mounted	Surface-Mounted
Dimensions B x H x L	35 x 35 x 420 35 x 35 x 1.200 35 x 35 x 2.000	26 x 26 x 415	26 x 26 x 415	26 x 26 x 415	26 x 26 x 415	35 x 24 x 376	40 x 156 x 83 incl. Square Shaft 7 x 7 x 55
Direction Reversal Adjustment	DCT-Software (FV4)	DCT-Software Switch	DCT-Software Switch	DCT-Software Switch	DCT-Software Switch	DCT-Software	DCT-Software Switch

The right locking solution starts with the window design.

Every window places different demands on the locking system. That is why AUMÜLLER offers a comprehensive locking portfolio that can be flexibly adapted to different hardware configurations, opening types, and installation scenarios. Selecting the right locking drive is a simple three-step process.

1. What hardware configuration is installed?

The first step is to determine whether the window is already equipped with a factory-installed locking rod and whether a gearbox is also integrated. Based on this, three fundamental automation concepts can be identified.

- Windows without a locking rod: Additional locking points are created by the locking drive itself. The FV1, FV3, FV4, and FVUE product series are used for these applications.
- Windows with a locking rod: The existing locking rod is automated directly. In this case, the locking drives of the FVUX family and the FV Click are available.
- Windows with a Locking Rod and Gearbox: For tilt-and-turn hardware systems equipped with a gearbox, the OFV takes over the automation of the entire locking system directly at the hardware interface.

2. Where Will the Drive Be Installed?

The next step is to determine whether the locking drive will be mounted on the fixed frame or on the moving sash. The window's opening direction also plays a key role. AUMÜLLER offers solutions for both inward- and outward-opening windows, as well as for different installation positions – either surface-mounted or fully integrated.

3. How Much Installation Space Is Available?

Once the available installation space has been assessed, the optimal drive variant can be selected. The different drive designs enable both a simple surface-mounted installation and a virtually invisible integration into the window profile.

Maximum Flexibility Down to the Finest Detail

All AUMÜLLER locking drives operate with an 18 mm stroke and have been specifically engineered to meet the demands of modern window automation..

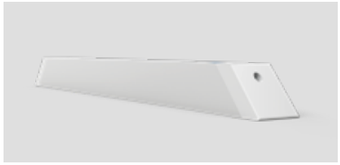
On compatible models, the drive direction can be adjusted at any time using the DCT configuration software. Selected variants also allow direction reversal directly via a switch on the drive, making commissioning particularly simple and convenient.

For applications requiring concealed profile integration, the FVUx family offers a manual emergency release function, ensuring that the window can still be operated safely even in the event of a power failure.

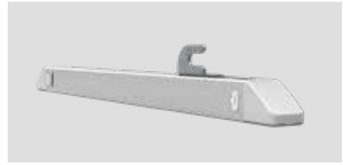
A unique feature within the portfolio is the FV Click. Thanks to the integrated AUMÜLLER Click System, it can be quickly and easily combined with additional system components, significantly reducing installation time.

The result: an optimally matched locking solution for virtually every window application – powerful, flexible, and precisely tailored to the specific requirements of the window system.

Locking Solutions for Windows WITHOUT an Existing Locking Rod



FV1/FV3/FV4
The FV1 / FV3 / FV4 series has been specifically developed for windows without an existing locking rod. Mounted on the frame, these drives create additional locking points through the installation of locking bolts on the sash. Available in left- and right-hand ersions and with up to three locking points, they can be adapted to virtually any window size and configuration.



FVUE
The FVUE is also designed for windows without an existing locking rod and is mounted on the frame. Its hook-shaped drive adapter engages with an additional bolt mounted on the sash, providing a simple and effective way to retrofit an additional locking point.

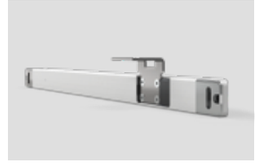
Locking Solutions for Windows WITH an Existing Locking Rod



FVUI
The FVUI is designed for fully integrated installation in both inward- and outward-opening windows. Its compact design allows seamless integration into virtually all standard frame profiles. Thanks to the integrated emergency release function, the window can also be manually unlocked in the event of a power failure.



FVUR
The FVUR is suitable for both frame-mounted installation on outward-opening windows and sash-mounted installation on inward-opening windows. This flexibility is enabled by a specially designed fork-shaped drive adapter that supports two mounting options. In addition, the integrated push-button of the FVUX series allows the operating direction to be changed easily and retrospectively whenever required.



FVUB
The FVUB is the ideal solution for surface-mounted installation on inward-opening windows. Mounted on the frame, it engages directly with the window's existing locking rod from the interior side via an angled drive adapter. In addition, the concealed cable exits of the FVUX family ensure particularly clean and discreet cable routing.



FV Click
The FV Click is designed for surface-mounted frame installation on inward-opening windows. It features the proven AUMÜLLER Click System with Click slots on both sides, allowing quick and straightforward connection to additional Click System components. The result is exceptionally fast installation combined with an attractive, streamlined appearance.

Locking Solutions for Windows WITH an Existing Locking Rod and Gearbox



OFV
Powerful. System-Compatible. Surface-Mounted. The OFV is installed directly onto the gearbox in place of the window handle and reliably locks and unlocks the perimeter hardware with high torque. This makes it the ideal solution for tilt-and-turn window systems.

Do you have any questions or suggestions?

Our team will be pleased to provide you with personal advice on our products, assist you in project engineering, and prepare tailored quotations to meet your specific requirements.

Ordering details

Locking Drive	Item no.
FVUB R right version	515930
FVUB L left version	515940
FVUR incl. driver slot 11 mm	515920
FVUR incl. driver slot 8.5 mm	515927
FVUI	515910
FVUE	515915
FV Click	515945
FV1 R (single right) 420 mm	515103
FV1 L (single left) 420 mm	515106
FV1 R (double right) 1,200 mm	515111
FV1 R (double right) 2,000 mm	515113
FV1 R (threefold right) 2,000 mm	515116
FV1 L (threefold left) 2,000 mm	515118
FV3 R (single right) 420 mm	515102
FV3 L (single left) 420 mm	515105
FV3 R (double right) 1,200 mm	515110
FV3 L (double left) 1,200 mm	515109

Locking Drive	Item no.
FV3 R (double right) 2,000 mm	515112
FV3 R (threefold right) 2,000 mm	515114
FV4 R (single right) 420 mm	515129
FV4 L (single left) 420 mm	515130
FV4 R (double right) 1,200 mm	515131
FV4 L (double left) 1,200 mm	515134
FV4 R (double right) 2,000 mm	515132
FV4 R (threefold right) 2,000 mm	515136
OFV1	513850
OFV1 M-COM	513860

Driver	Item no.
Driver FVUB depths 16 mm for locking pin 10 mm	515931
Driver FVUI Height 6 mm	515911

A complete list of all items available for order can be found in our current product price list.

aumueller-gmbh.de

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