



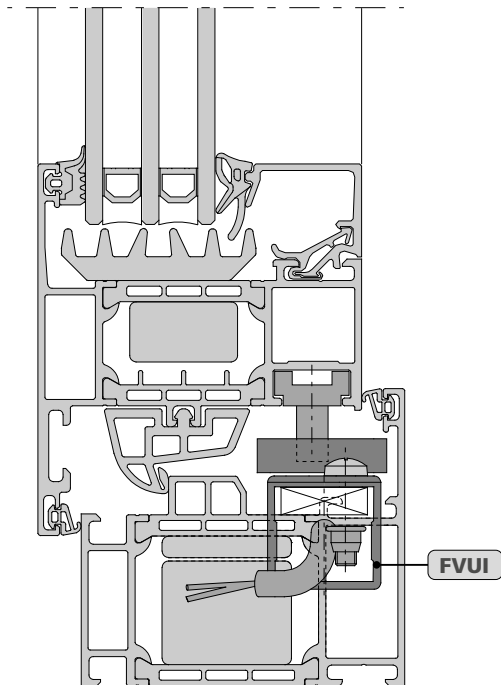
SPECIAL FEATURES FVUI

- For natural ventilation, smoke and heat exhausting and ferralux® NRWG (EN12101-2)
- With M-COM suitable internal load dependent cut-off switch and sequence control for drives (star wiring, drive current does not run over FVUx - sequence control via communication wire)
- Suitable for concealed mounting inside profiles
- Locking plate activates the multi-point locking systems of the windows via additional locking roller, it can be mounted on both sides and can be rotated with 180°
- Manual unlocking mechanism
- Robust corrosion-resistant design in a aluminium housing (415 x 26 x 26 mm)
- Concealed cable terminals and internal push button for setting the running direction

For this product series, a Type III Environmental Product Declaration (EPD) was issued according to ISO 14025 and EN 15804. The LCA results of the different product types are listed at the end of this product catalogue. The EPD documents can be viewed or downloaded from our homepage www.aumueller-gmbh.de.

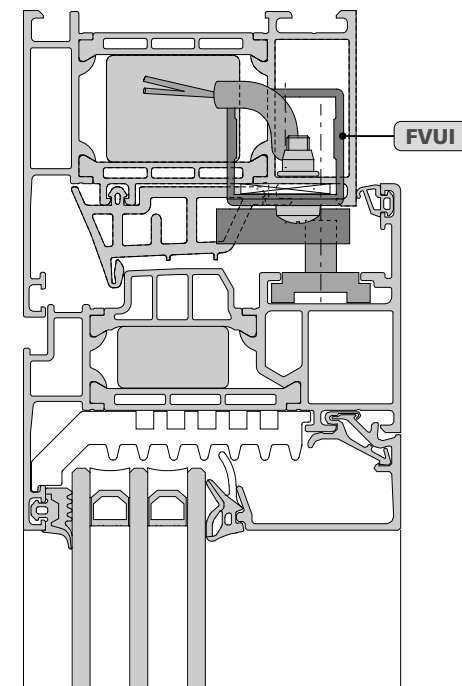
TYPICAL APPLICATIONS

- 1 Concealed mounting
outward opening



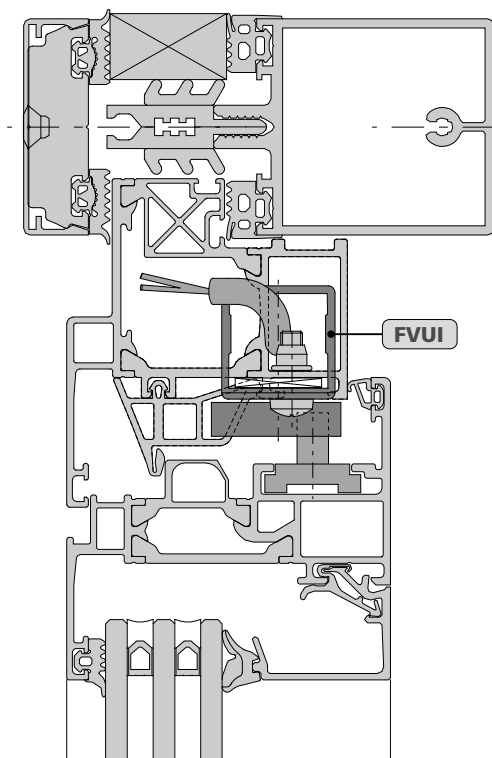
View on Alu window

- 2 Concealed mounting
inward opening



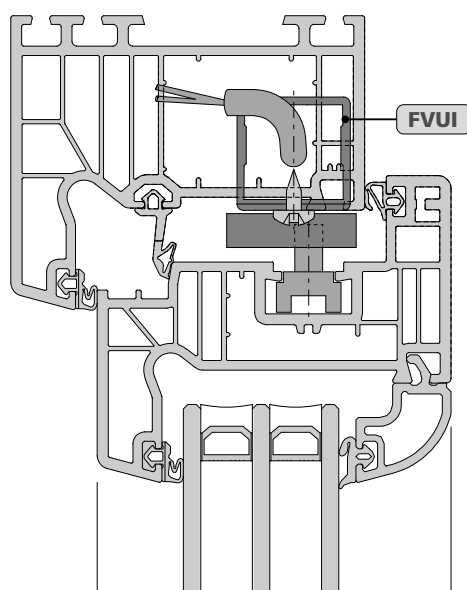
View on Alu window

- 3 Concealed mounting
inward opening



View on Alu window

- 4 Concealed mounting
inward opening



View on PVC window

- Application: natural ventilation, RWA, ferralux®-NRWG
- Surface or concealed mounting inside profiles
- Locking plate (8 mm) or optional locking plate (6 mm)
- Locking position selectable
- Manual unlocking mechanism
- Running direction adjustable

Options

- Special functions programmable

- M-COM suitable internal Control Electronics and sequence control for drives S3 / S12
- Star wiring
- Current of the drives does not run over FVUI
- Sequence control via communication wire

TECHNICAL DATA

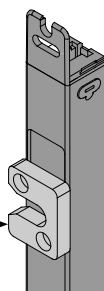
U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,6 A
I_A	Cut-off current	~ 1,0 A
P_N	Rated power	15 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_A	Pushing force max.	~ 600 N
F_L	Breakout force max.	~ 1.000 N
F_H	Pullout force max.	1.500 N
t	Running time	~ 5,0 s
s	Stroke	~ 18 mm (± 1)
	Connecting cable	non-halogen, grey Ø 6,2 mm, 3 x 0,5 mm ² , ~ 3 m
	Coupling adapter	die-cast zinc
	Housing	aluminium (E6/C-O)
L, (WxH)	Dimensions	L = 415 mm, 26 x 26 mm (B x H)
	Sound pressure level	≤ 70 dB (A)

MOUNTING POSSIBILITIES OF THE LOCKING PLATE

Locking plate is included separately (optional installation possible)

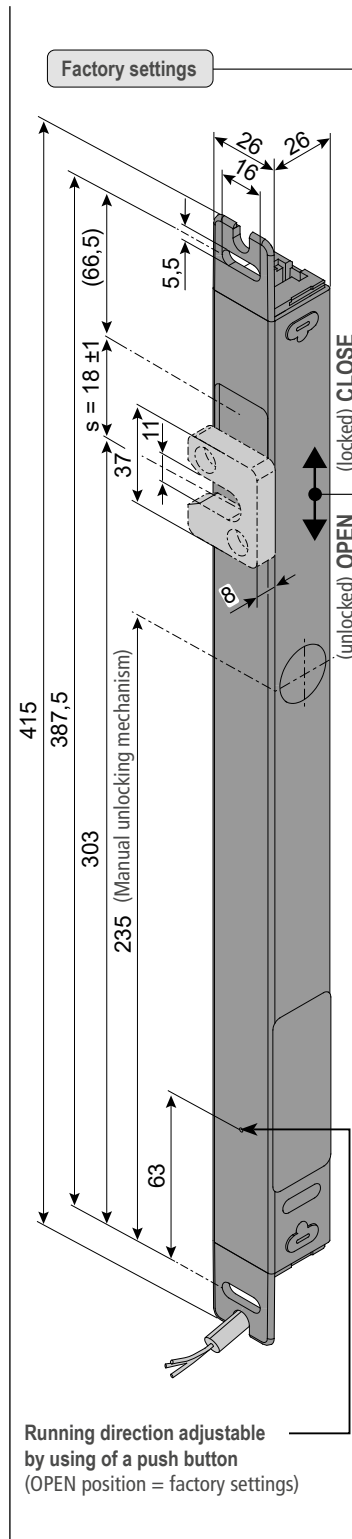
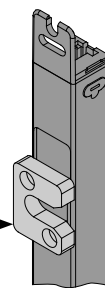
Mounting example
"Version - 1"

Locking plate
is included separately



Mounting example
"Version - 2"

Locking plate
is included separately

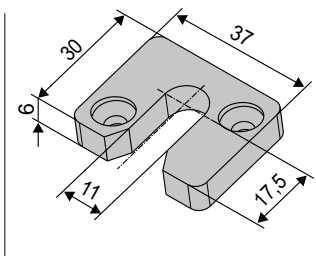


ORDER DATA

s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.		
18	415	FVUI	E6/C-0	1	515910		

OPTIONS

Special model	PU/pcs.	Part.-No.		
Drive housing painted/powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516004		
	21 – 50	516004		
	51 – 100	516004		
	from 101	516004		
Extra length connecting cable:				
5m – non-halogen, grey – 3 x 0,5 mm ²		501034		
10 m – non-halogen, grey – 3 x 0,5 mm ²		501036		
Microprocessor programming S12				
Programming drives 24V / 230V S12		524180		
Optional accessories	PU/pcs.	Part.-No.		
M-COM Configuration module for synchronised multi-drive systems	1	524177		

ACCESSORIES**Locking plate****B31****Application**

Locking plate 6 mm alternative to the locking plate 8 mm due to limited rebate space

Part.-No. 515911**Material/Finish**

die-cast zinc

Feature/Equipment

37 x 30 x 6 mm



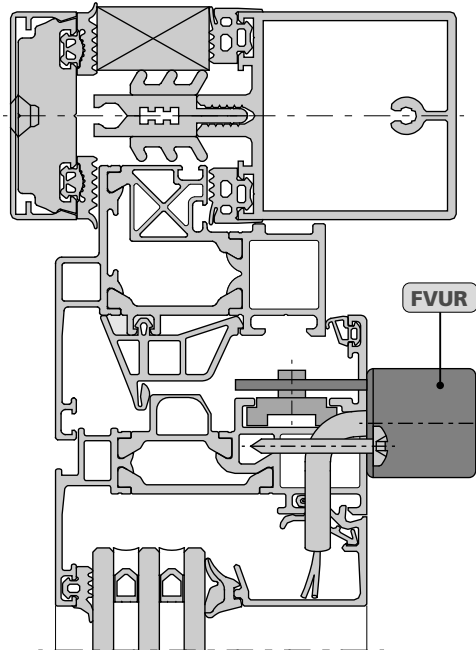
SPECIAL FEATURES FVUR

- For natural ventilation, smoke and heat exhausting and ferralux® NRWG (EN12101-2)
- with M-COM suitable internal load dependent cut-off switch and sequence control for drives S3 / S12 (star wiring, drive current does not run over FVUx - sequence control via communication wire)
- Mounting on the window frame profiles of outward opening windows or on casement profiles of inward opening windows
- Coupling adapter activates the multi-point locking systems of the windows via additional locking roller
- Robust corrosion-resistant design in a aluminium housing (415 x 26 x 26 mm) or optionally in RAL colors
- Concealed cable terminals and internal push button for setting the running direction
- Coupling adapter customizable for project-/profile-specific demands

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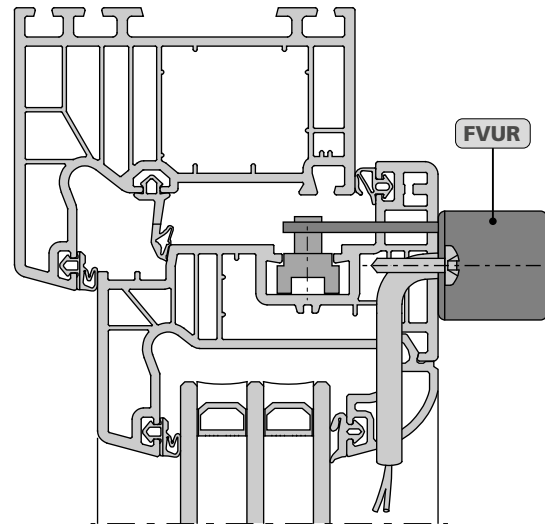
TYPICAL APPLICATIONS

1 FM, inward opening window



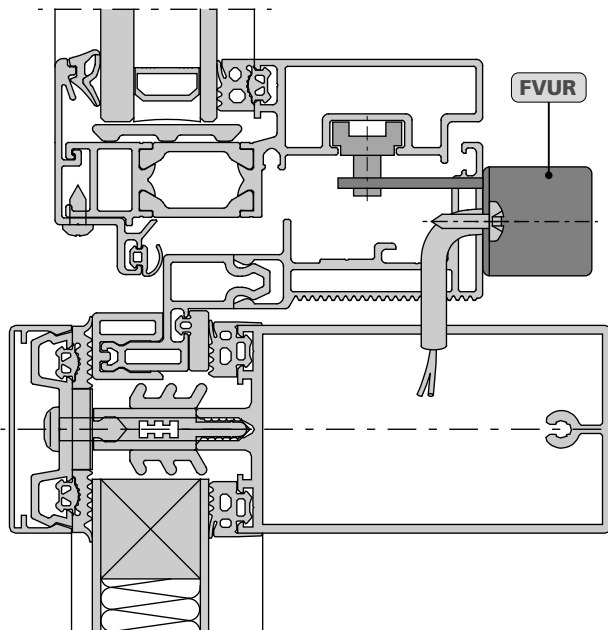
View on Alu window

2 FM, inward opening window



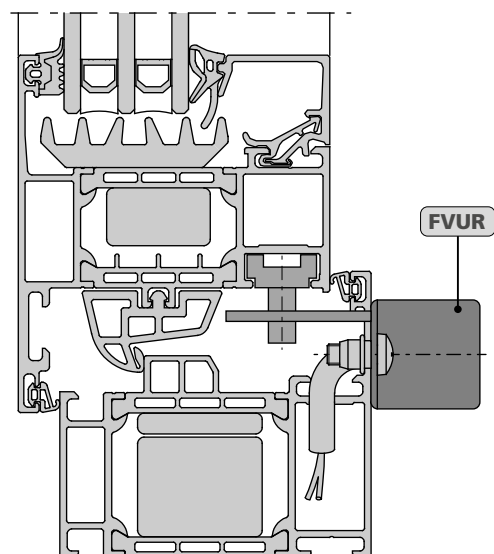
View on PVC window

3 RM, outward opening window



View on Alu window

4 RM, outward opening window



View on Alu window

NEW

- Application: natural ventilation, RWA, ferralux®-NRWG
- Surface mounting on the on the main / side closing edge (HSK / NSK) of the window frame profiles (RM) of inward opening windows
- Required mounting space 26 mm
- Locking drives for existing locking bar
- Running direction adjustable

Options

- Coupling adapter customizable for project-/profile-specific demands

- M-COM suitable internal Control Electronics and sequence control for drives S3 / S12
- Star wiring
- Current of the drives does not run over FVUR
- Sequence control via communication wire

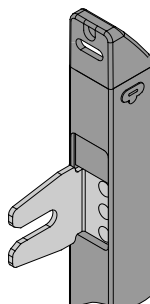
TECHNICAL DATA

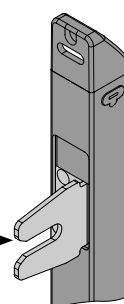
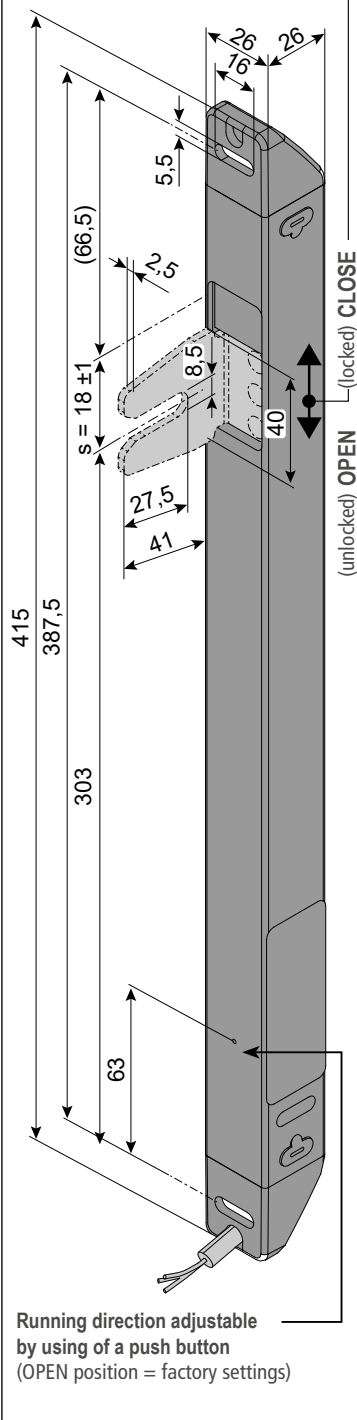
U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,6 A
I_A	Cut-off current	~ 1,0 A
P_N	Rated power	15 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_A	Pushing force max.	~ 600 N
F_L	Breakout force max.	~ 1.000 N
F_H	Pullout force max.	1.500 N
t	Running time	~ 5,0 s
s	Stroke	~ 18 mm (± 1)
	Connecting cable	non-halogen, grey $\varnothing 6,2$ mm, 3 x 0,5 mm ² , ~ 3 m
	Coupling adapter	stainless steel
	Housing	aluminium (E6/C-O)
$L, (W \times H)$	Dimensions	L = 415 mm, 26 x 26 mm (B x H)
	Sound pressure level	≤ 70 dB (A)

MOUNTED POSSIBILITIES OF THE COUPLING ADAPTER

Coupling adapter is included separately (optional installation possible)

Mounting example
"Version - 1"

Coupling adapter
is included separately

Mounting example
"Version - 2"

Coupling adapter
is included separately

Factory settings

Running direction adjustable
by using of a push button
(OPEN position = factory settings)

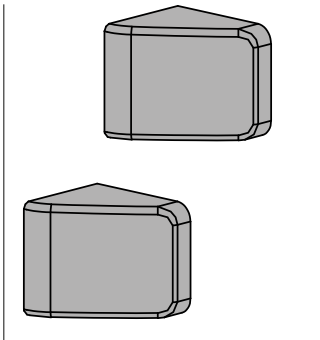
ORDER DATA

s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.		
18	415	FVUR - Driver slot 11 mm	E6/C-0	1	515920		
18	415	FVUR - Driver slot 8,5 mm (for profile AW RO 50)	E6/C-0	1	515927		

OPTIONS

Special model	PU/pcs.	Part.-No.		
Drive housing painted/powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516004		
	21 – 50	516004		
	51 – 100	516004		
	from 101	516004		
Extra length connecting cable:				
5 m – non-halogen, grey – 3 x 0,5 mm ²		501034		
10 m – non-halogen, grey – 3 x 0,5 mm ²		501036		
Microprocessor programming S12				
Programming drives 24V / 230V S12		524180		
Optional accessories	PU/pcs.	Part.-No.		
M-COM Configuration module for synchronised multi-drive systems	1	524177		

ACCESSORIES

Cover cap				
	Application Cover cap for FVUB and FVUR and FVUE (replacement part).	Part.-No. 515921 Material/Finish plastic, RAL 7035 (light gray) Feature/Equipment 2 pieces		
		Part.-No. 515923 Material/Finish plastic, RAL 9004 (black) Feature/Equipment 2 pieces		



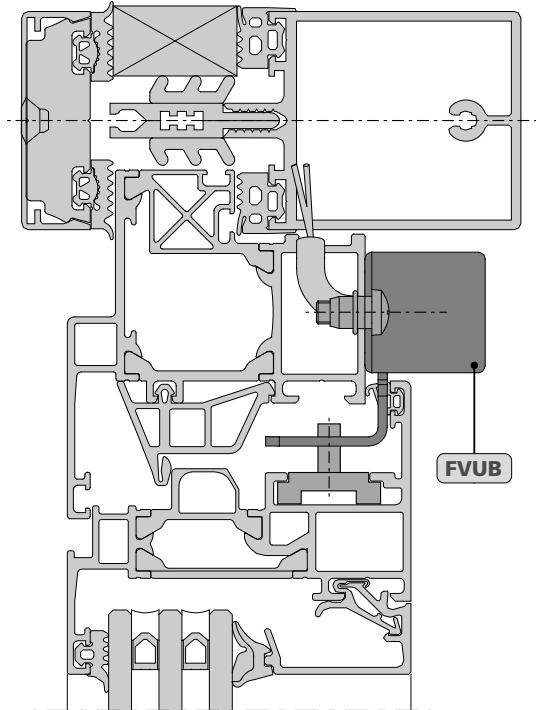
SPECIAL FEATURES FVUB

- For natural ventilation, smoke and heat exhausting and ferralux® NRWG (EN12101-2)
- With M-COM suitable internal load dependent cut-off switch and sequence control for drives (star wiring, drive current does not run over FVUx - sequence control via communication wire)
- Mounting on the window frame profiles of inward opening windows
- Coupling adapter activates the multi-point locking systems of the windows via additional locking roller
- Robust corrosion-resistant design in a aluminium housing (415 x 26 x 26 mm) or optionally in RAL colors
- Concealed cable terminals and internal push button for setting the running direction
- Coupling adapter customizable for project-/profile-specific demands

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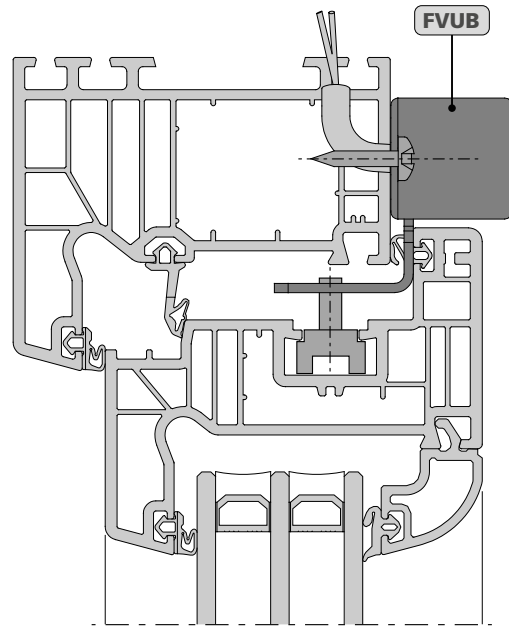
TYPICAL APPLICATIONS

1 RM, inward opening window



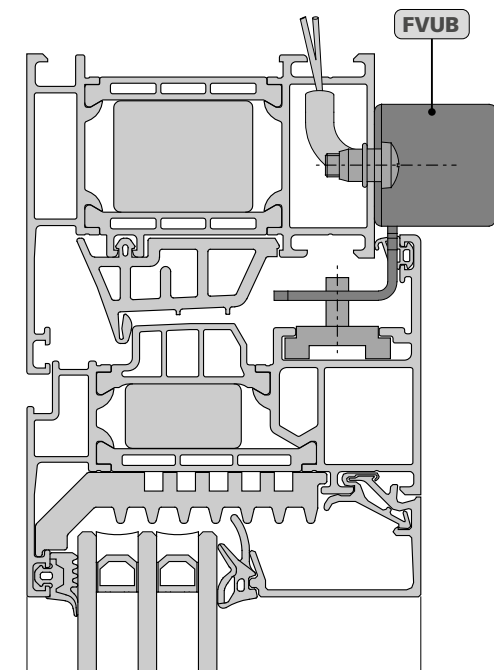
View on Alu window

2 RM, inward opening window



View on PVC window

3 RM, inward opening window



View on Alu window

- Application: natural ventilation, RWA, ferralux®-NRWG
- Surface mounting on the on the main / side closing edge (HSK / NSK) of the window frame profiles (RM) of inward opening windows
- Required mounting space 28 mm
- Locking drives for existing locking bar
- Running direction adjustable

Options

- Coupling adapter customizable for project-/profile-specific demands

(right)

- M-COM suitable internal Control Electronics and sequence control for drives S3 / S12
- Star wiring
- Current of the drives does not run over FVUB
- Sequence control via communication wire

TECHNICAL DATA

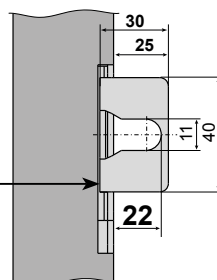
U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,6 A
I_A	Cut-off current	~ 1,0 A
P_N	Rated power	15 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_A	Pushing force max.	~ 600 N
F_L	Breakout force max.	~ 1.000 N
F_H	Pullout force max.	1.500 N
t	Running time	~ 5,0 s
s	Stroke	~ 18 mm (± 1)
	Connecting cable	non-halogen, grey $\varnothing 6,2$ mm, 3 x 0,5 mm ² , ~ 3 m
	Coupling adapter	stainless steel
	Housing	aluminium (E6/C-O)
L, (WxH)	Dimensions	L = 415 mm, 26 x 26 mm (B x H)
	Sound pressure level	≤ 70 dB (A)

MOUNTED POSSIBILITIES OF THE COUPLING ADAPTER

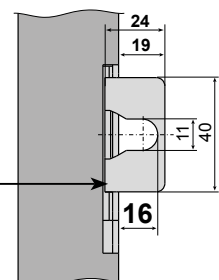
Coupling adapter is included separately

Accessories: Coupling adapter (separate order)

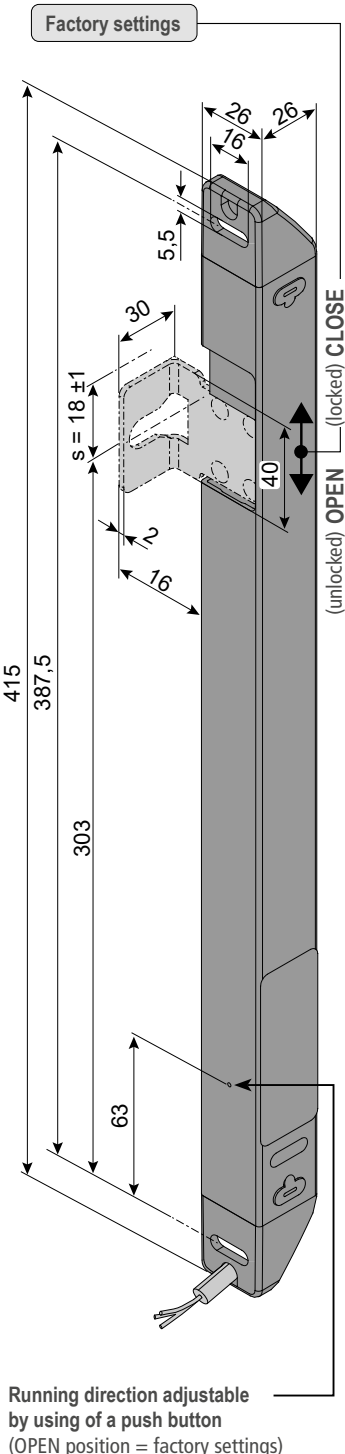
Coupling adapter
is included separately



Coupling adapter
additionally order



Accessories
optional order
Part.-No. 515931



- Application: natural ventilation, RWA, ferralux®-NRWG
- Surface mounting on the on the main / side closing edge (HSK / NSK) of the window frame profiles (RM) of inward opening windows
- Required mounting space 28 mm
- Locking drives for existing locking bar
- Running direction adjustable

Options

- Coupling adapter customizable for project-/profile-specific demands

(left)

- M-COM suitable internal Control Electronics and sequence control for drives S3 / S12
- Star wiring
- Current of the drives does not run over FVUB
- Sequence control via communication wire

TECHNICAL DATA

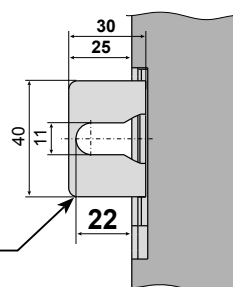
U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,6 A
I_A	Cut-off current	~ 1,0 A
P_N	Rated power	15 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_A	Pushing force max.	~ 600 N
F_L	Breakout force max.	~ 1.000 N
F_H	Pullout force max.	1.500 N
t	Running time	~ 5,0 s
s	Stroke	~ 18 mm (± 1)
	Connecting cable	non-halogen, grey $\varnothing 6,2$ mm, 3 x 0,5 mm ² , ~ 3 m
	Coupling adapter	stainless steel
	Housing	aluminium (E6/C-O)
L, (WxH)	Dimensions	L = 415 mm, 26 x 26 mm (B x H)
	Sound pressure level	≤ 70 dB (A)

MOUNTED POSSIBILITIES OF THE COUPLING ADAPTER

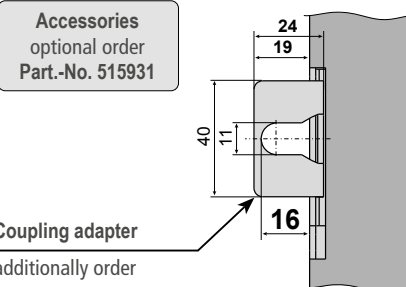
Coupling adapter is included separately

Accessories: Coupling adapter (separate order)

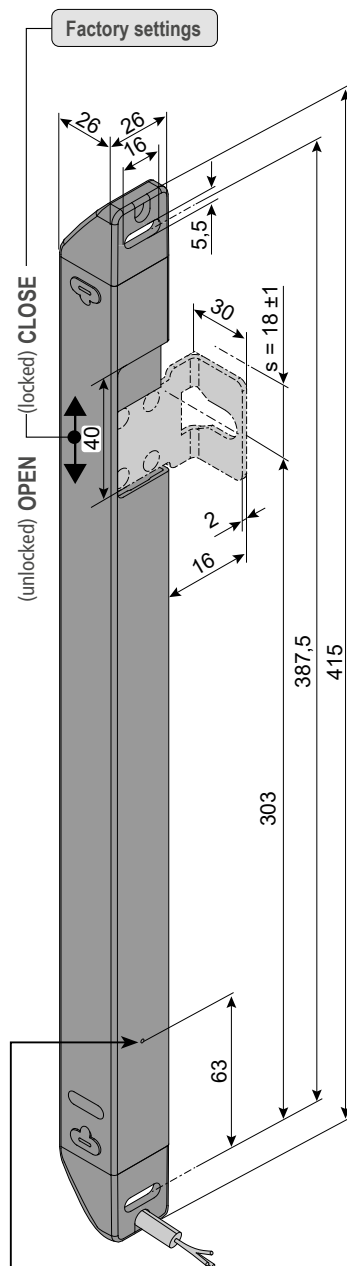
Coupling adapter
is included separately



Coupling adapter
additionally order



Accessories
optional order
Part.-No. 515931

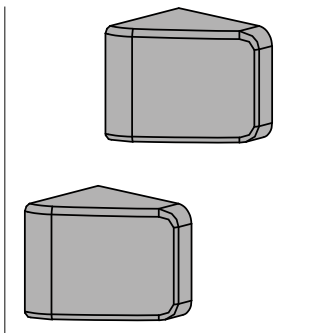
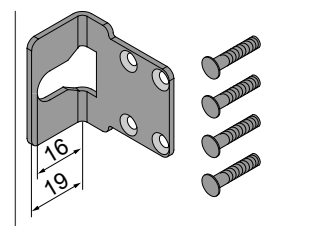


Running direction adjustable
by using of a push button
(OPEN position = factory settings)

ORDER DATA							
s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.		
18	415	FVUB R	E6/C-0	1	515930		
18	415	FVUB L	E6/C-0	1	515940		

OPTIONS							
Special model				PU/pcs.	Part.-No.		
Drive housing painted/powder coated in other RAL colours							
Lump sum for coating					516030		
Specify at order stage:				1 – 20	516004		
				21 – 50	516004		
				51 – 100	516004		
				from 101	516004		
Extra length connecting cable:							
5m – non-halogen, grey – 3 x 0,5 mm ²					501034		
10 m – non-halogen, grey – 3 x 0,5 mm ²					501036		
Microprocessor programming S12							
Programming drives 24V / 230V S12					524180		
Optional accessories				PU/pcs.	Part.-No.		
M-COM Configuration module for synchronised multi-drive systems							
				1	524177		

ACCESSORIES

Cover cap			
	Application Cover cap for FVUB and FVUR and FVUE (replacement part).	Part.-No. 515921 Material/Finish plastic, RAL 7035 (light gray) Feature/Equipment 2 pieces	
		Part.-No. 515923 Material/Finish plastic, RAL 9004 (black) Feature/Equipment 2 pieces	
Coupling adapter			
FVUB -16mm 	Application Coupling adapter-16 mm for locking pin in the FVUB (coupling adapter length is 19 mm). As an alternative to the coupling adapter-22 mm (coupling adapter length is 25 mm).	Part.-No. 515931 Material/Finish stainless steel Feature/Equipment 1x coupling adapter, 4x screws	

OPTIONAL ACCESSORIES

Main control unit				
M-COM		Application	Part.-No. 524177	
		Configuration module for automatic configuration and monitoring of max. 4 opening drives / 2 locking drives version S12 / S3 in synchronised multi-drive systems Rated voltage: 24 V DC (19 V ... 28 V) Current consumption: <12 mA Drive type: S12	Protection rating IP30 rubber coated Ambient temperature range 0 °C ... + 70 °C Dimensions 45 x 17 x 6 mm Connecting wires 3 wires 0,5 mm ² x 50 mm Feature/Equipment Printed circuit board with components and connection wires to be installed in connection box to be supplied on site	

OPTIONS

Special model	PU/pcs.	Part.-No.		
Drive housing painted/powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516004		
	21 – 50	516004		
	51 – 100	516004		
	from 101	516004		
Extra length connecting cable:				
5m – non-halogen, grey – 3 x 0,5 mm ²		501034		
10 m – non-halogen, grey – 3 x 0,5 mm ²		501036		
Microprocessor programming S12				
Programming drives 24V / 230V S12		524180		
Optional accessories	PU/pcs.	Part.-No.		
M-COM Configuration module for synchronised multi-drive systems	1	524177		



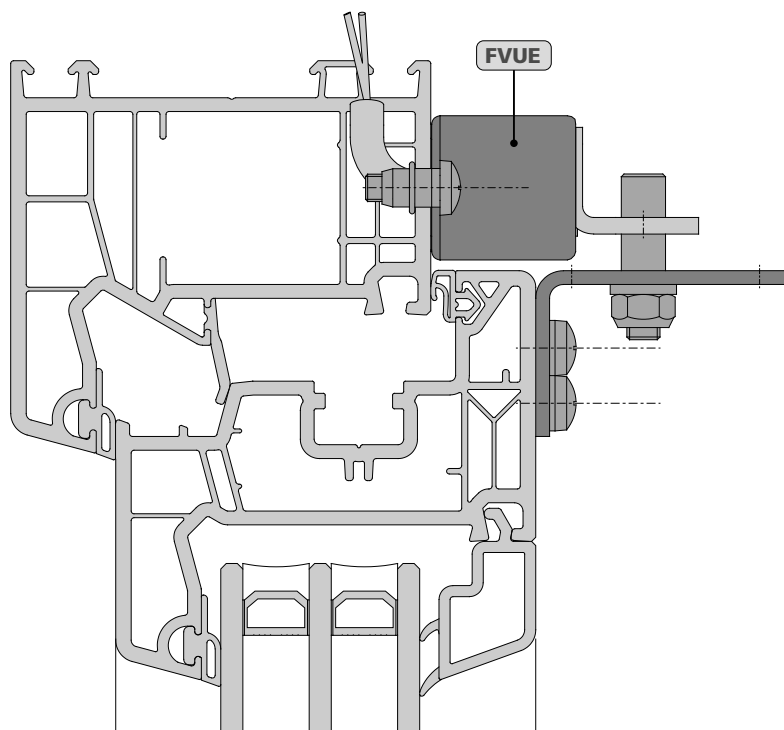
SPECIAL FEATURES FVUE

- For natural ventilation, smoke and heat exhausting and ferralux® NRWG (EN12101-2)
- with M-COM suitable internal load dependent cut-off switch and sequence control for drives S3 / S12 (star wiring, drive current does not run over FVUx - sequence control via communication wire)
- Mounting on the window frame profiles of inward opening windows
- The Coupling adapter engages in the locking bolt attached to the sash
- Robust corrosion-resistant design in a aluminium housing (415 x 26 x 26 mm) or optionally in RAL colors
- Concealed cable terminals and internal push button for setting the running direction
- Coupling adapter customizable for project-/profile-specific demands

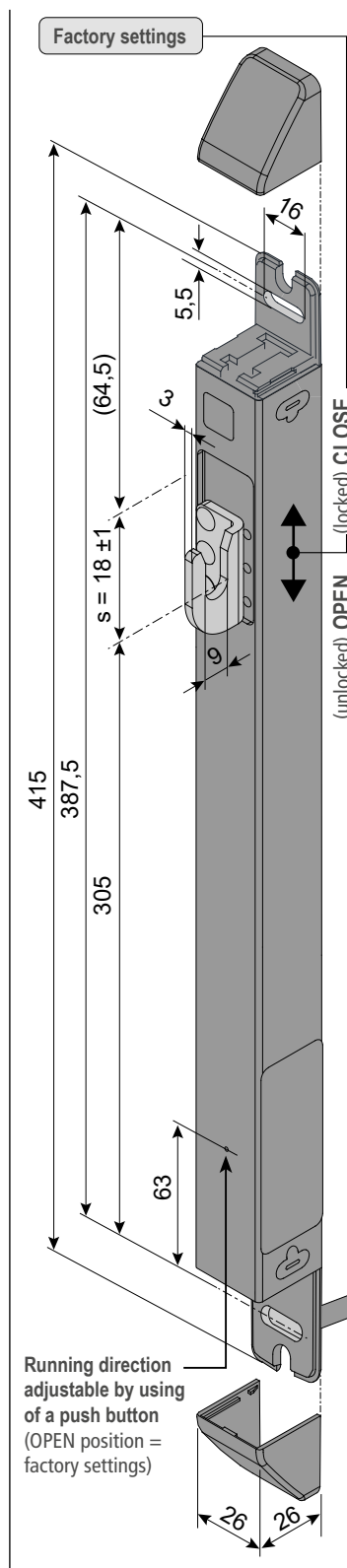
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TYPICAL APPLICATIONS

① RM, inward opening window



View on PVC window



- Application: natural ventilation, RWA, ferralux®-NRWG
- Surface mounting on the on the main / side closing edge (HSK / NSK) of the window frame profiles (RM) of inward opening windows
- Required mounting space 28 mm
- Locking drives for applications without locking bar
- Running direction adjustable

Options

- Coupling adapter customizable for project-/profile-specific demands

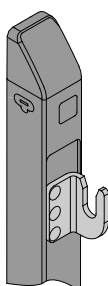
- M-COM suitable internal Control Electronics and sequence control for drives S3 / S12
- Star wiring
- Current of the drives does not run over FVUE
- Sequence control via communication wire

TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,6 A
I_A	Cut-off current	~ 1,0 A
P_N	Rated power	15 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_A	Pushing force max.	~ 600 N
t	Running time	~ 5,0 s
s	Stroke	~ 18 mm (± 1)
	Connecting cable	non-halogen, grey Ø 6,2 mm, 3 x 0,5 mm², ~ 3 m
	Coupling adapter	stainless steel
	Housing	aluminium (E6/C-O)
L, (WxH)	Dimensions	L = 415 mm, 26 x 26 mm (B x H)
	Sound pressure level	≤ 70 dB (A)

MOUNTED POSSIBILITIES OF THE COUPLING ADAPTER

Coupling adapter is included separately (optional installation possible)



Mounting example
„Version - 1“

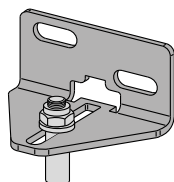
Coupling adapter
is included separately



Mounting example
„Version - 2“

Coupling adapter
is included separately

Locking angle B18 (included)



ORDER DATA

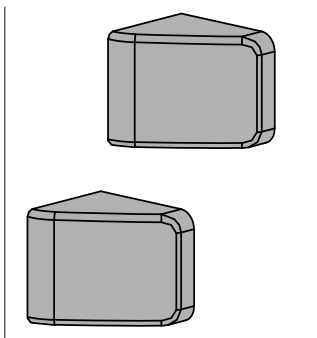
s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.		
18	415	FVUE	E6/C-0	1	515915		

OPTIONS

Special model	PU/pcs.	Part.-No.		
Drive housing painted/powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516004		
	21 – 50	516004		
	51 – 100	516004		
	from 101	516004		
Extra length connecting cable:				
5m – non-halogen, grey – 3 x 0,5 mm ²		501034		
10 m – non-halogen, grey – 3 x 0,5 mm ²		501036		
Microprocessor programming S12				
Programming drives 24V / 230V S12		524180		
Optional accessories	PU/pcs.	Part.-No.		
M-COM Configuration module for synchronised multi-drive systems	1	524177		

ACCESSORIES

Cover cap



Application

Cover cap for FVUB and FVUR and FVUE (replacement part).

Part.-No. 515921

Material/Finish

plastic,
RAL 7035 (light gray)
Feature/Equipment
2 pieces

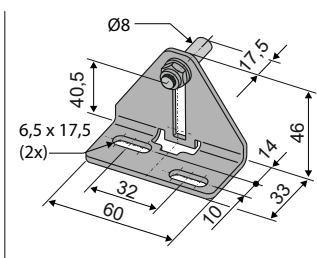
Part.-No. 515923

Material/Finish

plastic,
RAL 9004 (black)
Feature/Equipment
2 pieces

Locking angle

B18



Application

Angle with adjustable locking bolt at surface mounting for compensation of the **profile overlap FÜ <10 mm**.
Required mounting space **35 mm**.

Part.-No. 301595

Material/Finish

stainless steel
Feature/Equipment
1x locking pin Ø 8x30,
1x nut M6,
1x washer A6,4