aumüller

7 Hardware sets

Product Overview


RWA 1000

RWA 1000

RWA 1000

Model	24V DC
Application	Bottom-hung / Top-hung / Side-hung inward opening windows
Opening drives	PL6 S1 (600 N) / PL10 S1 (1.000 N) on the side closing edeg (NSK)
Locking drives	FV3 / OFV / (FV1 with USKM) on the main closing edge (HSK)
Frame brackets	K15 (H = 150 mm), B20 für FV3 (FM)
Casement brackets	F11
Version	Opening drives Solo / TE = Tandem (with USKM)
Protection rating	IP32


RWA 1100

RWA 1100

RWA 1100

Model	24V DC
Application	Bottom-hung / Top-hung / Side-hung ourward opening windows
Opening drives	PL6 S1 (600 N) / PL10 S1 (1.000 N) on the side closing edeg (NSK)
Locking drives	FV3 / (FV1 with USKM) on the main closing edge (HSK)
Frame brackets	K15 (H = 150 mm) / K37 (H = 250 mm) / B20
Casement brackets	F11
Version	Opening drives Solo / TE = Tandem (with USKM)
Protection rating	IP32


RWA 1050

RWA 1050

RWA 1050

Model	24V DC
Application	Side-hung inward opening windows
Opening drives	PL6 S1 (600 N) / PL10 S1 (1.000 N) on the side closing edeg (NSK)
Locking drives	FV3 / OFV / (FV1 with USKM) on the main closing edge (HSK)
Frame brackets	K97 right hand / left hand
Casement brackets	F11
Version	Opening drives Solo / TE = Tandem (with USKM)
Protection rating	IP32

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RWA HARDWARE SYSTEMS

RWA hardware system	Rated voltage	Locking drive: Type	Locking drive: Number of VP	Locking drive: Lenght	Opening drives	Accessories: Control modules Accessories	Accessories: Frame bracket	Accessories: Casement bracket	Casement dimensions: Bottom-/top-hung: FAB	Casement dimensions: Bottom-/top-hung: FAH	Casement dimensions: Bottom-/top-hung: max. weight	Casement dimensions: Side-hung: FAB	Casement dimensions: Side-hung: FAH	Casement dimensions: Side-hung: max. weight	Required mounting space	Use: Natural ventilation	Use: RWA	Use: NRWG	Location: Facade: inward	Location: Facade: outward	Location: Roof
	[VDC]			[mm]		[A]			[mm]	[mm]	[Kg]	[mm]	[mm]	[Kg]	[mm]						
1000	24	FV3	1 (*1	450	PL6	(B20-1)	K15	F11	500 – 1200	600 – 1500	50	600 – 1500	500 – 2400	90	40	●	●	●	●	■	■
					PL10						90			150		●	●	●	●	■	■
		OFV	(*2		PL6						50	500 – 1500		90		●	●	●	●	■	■
					PL10						90			150		●	●	●	●	■	■
1000-TE	24	FV1	2; 3	1200	2x PL6	USKM	2x K15	2x F11	1250 – 2400	600 – 2000	90	600 – 1500	1250 – 2400	130	40	●	●	●	●	■	■
					2x PL10						160			200		●	●	●	●	■	■
			3	2000	2x PL6	USKM			2050 – 2400		90		2050 – 2400	130		●	●	●	●	■	■
					2x PL10						160			200		●	●	●	●	■	■
		OFV	(*2		2x PL6	USKM			500 – 1200	600 – 1500	50	500 – 1500	500 – 2400	90		●	●	●	●	■	■
					2x PL10						90			150		●	●	●	●	■	■
1100	24	FV3 (*2	1 (*1	450	PL6	B21-1	K15 (K37)	F11	500 – 1200	800 – 1600	70	600 – 1500	500 – 2400	90	40	●	●	●	■	●	■
					PL10						120			150		●	●	●	■	●	■
1100-TE	24	FV1 (*2	2; 3	1200	2x PL6	USKM (B20-2)	2x K15 (2x K37)	2x F11	1250 – 2400	800 – 2000	130	600 – 1500	1250 – 2400	130	40	●	●	●	■	●	■
					2x PL10						200			200		●	●	●	■	●	■
			3	2000	2x PL6	USKM (B20-3)			2050 – 2400		130		2050 – 2400	130		●	●	●	■	●	■
					2x PL10						200			200		●	●	●	■	●	■
1050	24	FV3 (*2			PL6		K97 (re/li)	F11				550 – 1250	500 – 1500	90	22	●	●	●	●	■	■
					PL10									130		●	●	●	●	■	■
		OFV	(*2		PL6									90		●	●	●	●	■	■
					PL10									130		●	●	●	●	■	■
1050-TE	24	FV1	(*1		2x PL6	USKM	K97 R+L	2x F11				550 – 1500	500 – 2400	130	22	●	●	●	●	■	■
					2x PL10									150		●	●	●	●	■	■
		OFV	(*2		2x PL6	USKM								130		●	●	●	●	■	■
					2x PL10									150		●	●	●	●	■	■

LEGEND

● suitable ■ not recommended

(*1 On the main closing edge of side -hung windows use of FV with 2 or 3 locking points (VP) is possible
(*2 Window specific multi-locking system

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OVERVIEW OF SPINDLE DRIVES

Opening drives	Version		Stroke	Force		Speed		Stroke in	Cut-off current	Use			Location		Function		
	Cut-off switch	Rated voltage	up – to	Pulling force	Pushing force	OPEN	ZU	60 s	Max.	Natural ventilation	RWA	NRWG	Facade	Roof	Run monitoring	Synchronised run	Sequence control
		[VDC]	[mm]	[N]	[N]			[mm]	[A]								
PL6	S1	24	100 – 300	600	600	5,8	5,8	350	0,8	●	●	●	●		○		○
PL10	S1	24	100 – 300	1000	1000	2,6	2,6	150	0,8	●	●	●	●		○		○

OVERVIEW OF LOCKING DRIVES

Locking drives	Locking stroke (Rotating angle)	Rated voltage	Force (Torque)		Runtime	Close circuit current	Opening drives		Use			Location		Functions		
			Pulling/Pushing force	Initial force (torque)			Model	Cut-off current	Natural ventilation	RWA	NRWG	Facade	Roof	Run monitoring	Synchronised run	Sequence control
	[mm]	[VDC]	[N]	[N]	[s]	[A]		[A]								
FV1		24	600	1000	5,0	0,3	○	○	●	●	●	●				○
FV3		24	600	1000	5,0	0,3	S1	0,8	●	●	●	●				●
OFV	90° – 180°	24	10 Nm	22 Nm	4,5/9,0	0,3	S1	0,9 – 3,0	●	●	●	●				●

LEGEND

● suitable ■ not recommended

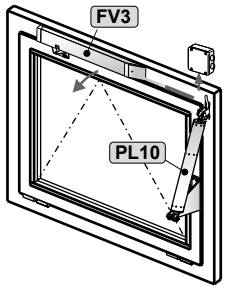
S1 without internal cut-off switch for operation with RWA1000-, RWA1100-, RWA1050-systems

○ only with external cut-off switch or control module USKM

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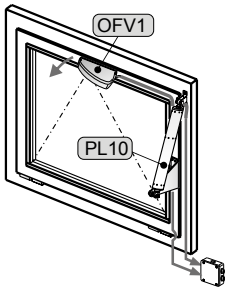
TYPICAL APPLICATION

RWA1000 – inward opening



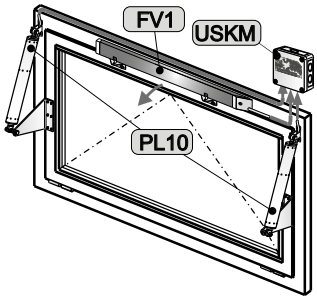
View on bottom-hung window

RWA1000 – inward opening



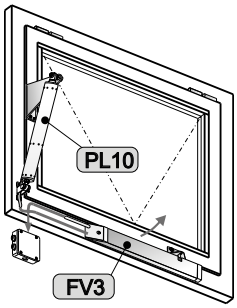
View on bottom-hung window

RWA1000 TE – inward opening



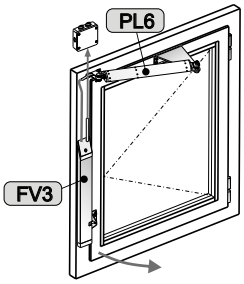
View on bottom-hung window

RWA1000 – inward opening



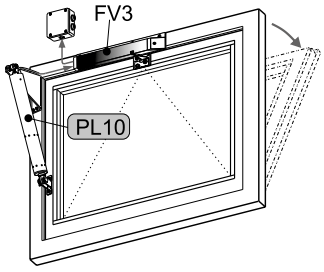
View on top-hung window

RWA1000 – inward opening



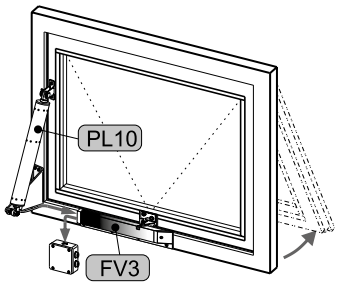
View on side-hung window

RWA1100 – outward opening



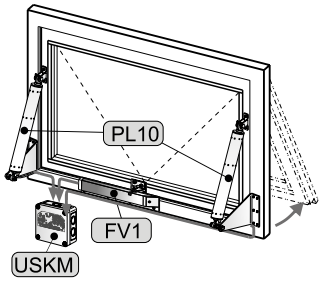
View on bottom-hung window

RWA1100 – outward opening



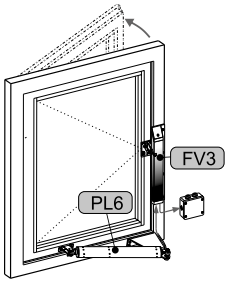
View on top-hung window

RWA1100 TE – outward opening



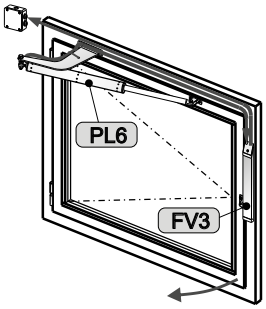
View on top-hung window

RWA1100 – outward opening



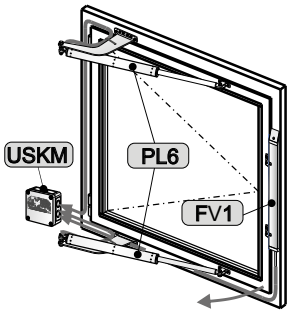
View on side-hung window

RWA1050 – inward opening



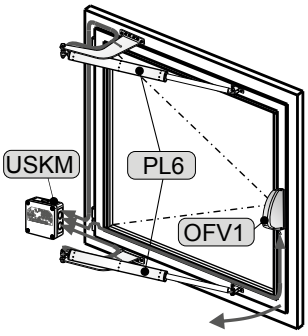
View on side-hung window

RWA1050 TE – inward opening



View on side-hung window

RWA1050 TE – inward opening



View on side-hung window

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