

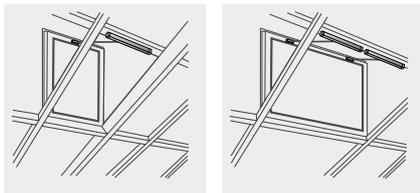
PRODUCT FEATURES KS15

- For natural ventilation, smoke and heat exhausting systems and ferralux® NRWG (EN12101-2)
- Aluminium housing anodized or optionally in RAL colors
- High-quality, robust and nickel-plated steel chain
- Symmetrical chain output
- Short design with 3-fold wound chain and especially quiet running
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)
- Programmable parameters of Intelligent Control Electronics S12:
 - Feedback limit position „OPEN“ (max. 24 V, 500 mA)
 - Synchronised multi-operation and sequence control without add. devices
 - Electronic soft-start, soft-close and soft-stop at end of stroke control
 - Stroke, force, speed
 - Rebate control
- Integrated plug solution

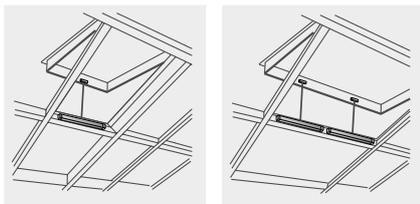
For this product series, a Type III Environmental Product Declaration (EPD) was issued according to ISO 14025 and EN 15804. The LCA results of the different product types are listed at the end of this product catalogue. The EPD documents can be viewed or downloaded from our homepage www.aumueller-gmbh.de.

ROOF

Bottom-hung



Top-hung

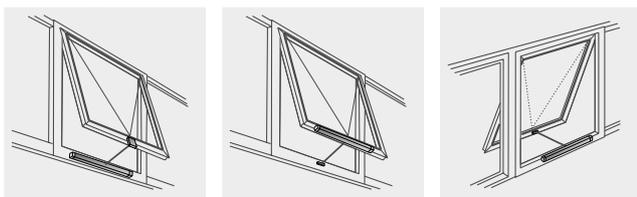


Sky light



FACADE

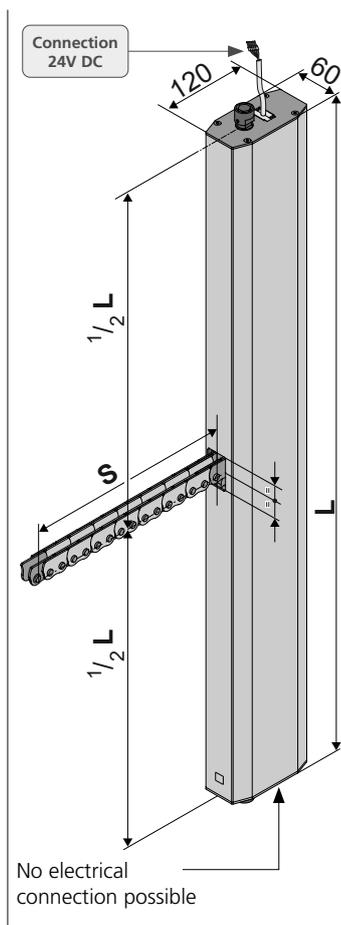
Top-hung



- Application: natural ventilation, RWA, ferralux® NRWG (EN12101-2)
- Symmetrical chain output
- Internal Intelligent Control Electronics S12
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)
- Integrated plug solution

Options

- Programmable special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)



TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	3,75 A
I_A	Cut-off current	5 A
P_N	Rated power	90 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 20
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	<ul style="list-style-type: none"> • 300 N to 1.500 N freely adjustable • preset 1.000 N, soft run 300 N
F_A	Pushing force max.	1.500 N, to 1.000 mm linear
F_H	Pullout force	5.000 N (fastening depended)
	Chain	High-quality, robust and nickel-plated steel chain
	Connecting cable	non-halogen, grey, \varnothing 9 mm, 5 x 1 mm ² , ~ 3 m
v	Speed	<ul style="list-style-type: none"> • 6,0 mm/s to 17 mm/s, freely adjustable • preset 17 mm/s
s	Stroke	250 – 1000 mm
L	Length	see order data
	Feedback contact	limit position „CLOSE“ (max. 24 V, 500 mA)
	Sound pressure level	≤ 70 dB (A)

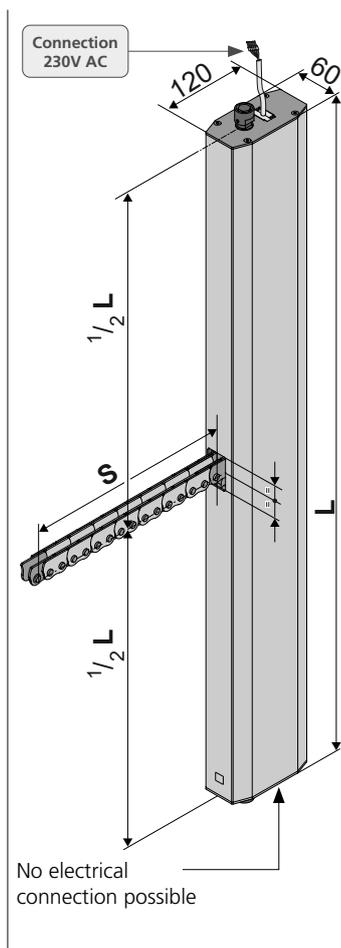
ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU / pcs.	Part.-No.	
Drives						
800	800	KS15 800 S12 24V	E6/C-0	1	525380	
1000	920	KS15 1000 S12 24V	E6/C-0	1	525400	
Set: Frame bracket and casement bracket (kit)						
Set: Frame bracket unit KS15 Schüco AWS 57 RO			K153: Stainless steel, rolled F54: Aluminium, E6/C-0	1	524080	
Set: Frame bracket unit KS15 Raico FRAME+100/120 RI			K154: Stainless steel, rolled F54: Aluminium, E6/C-0	1	524085	

OPTIONEN			
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	
	ab 101	516004	
Plug solution:			
AUMÜLLER-Click plug solution - 5 m – non-halogen, grey – 5 x 1,0 mm²		501290	
Microprocessor programming S12			
Electronic stroke reduction 24V S12		524190	
Programming drives 24V / 230V S12		524180	
Optional accessories			
M-COM Configuration module for synchronised multi-drive systems	1	524177	

- Application: natural ventilation, RWA, ferralux® NRWG (EN12101-2)
- Symmetrical chain output
- Internal Intelligent Control Electronics S12
- Parallel connection up to 8 drives in one group
- Integrated plug solution

Options

- Programmable synchronised run (max. 4 drives) and special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)



TECHNICAL DATA

U_N	Rated voltage	230 V AC (50 Hz)
I_N	Rated current	0,45 A
I_A	Cut-off current	0,60 A
P_N	Rated power	103 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 20
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	<ul style="list-style-type: none"> • 300N to 1.500N freely adjustable • preset 1.000N, soft run 300N
F_A	Pushing force max.	1.500N, to 1.000mm linear
F_H	Pullout force	5.000 N (fastening depended)
	Chain	High-quality, robust and nickel-plated steel chain
	Connecting cable	non-halogen, grey, \varnothing 9 mm, 6 x 0,75 mm ² , ~ 3 m
v	Speed	<ul style="list-style-type: none"> • 6,0 mm/s to 17 mm/s, freely adjustable • preset 17 mm/s
s	Stroke	250 – 1000 mm
L	Length	see order data
	Sound pressure level	\leq 70 dB (A)

ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU / pcs.	Part.-No.	
Drives						
1000	920	KS15 1000 S12 230V	E6/C-0	1	495170	
Set: Frame bracket and casement bracket (kit)						
Set: Frame bracket unit KS15 Schüco AWS 57 RO			K153: Stainless steel, rolled F54: Aluminium, E6/C-0	1	524080	
Set: Frame bracket unit KS15 Raico FRAME+100/120 RI			K154: Stainless steel, rolled F54: Aluminium, E6/C-0	1	524085	

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	
Plug solution:			
AUMÜLLER-Click plug solution - 5 m – silicone – non-halogen, grey – 6 x 0,75 mm²		501292	
Microprocessor programming S12			
Programming synchronised multi-drive systems 230V S12 (each drive)		495588	
Electronic stroke reduction 230V S12		495590	
Programming drives 24V / 230V S12		524180	

OVERVIEW OF BRACKETS						1	2
Typical application							
Frame bracket						K153 Mounting in the roof	K154 Mounting in the roof
Casement bracket						F54	F54
Space requirement		min.	[mm]			49	49
Overlap thickness (*1)			[mm]			0 - 21	0 - 21
Opening angle (*2)		max.	[DEG]			60	60
Casement weight (*3)		max.	[Kg]			300	300
Window material			Alu		●	●	
			Wood		●	●	
			PVC		●	●	
Type of window and mounting	Bottom hung	inward	HSK	FM	■	■	
				RM			
			NSK	FM	■	■	
		RM					
		outward	HSK	RM	●	●	
				PR			
	NSK		RM	●	●		
			PR				
	Top hung	outward	HSK	RM	●		
				PR			
	Dach	outward	HSK	RM	●	●	
				PR			
	PAF	outward		RM	■	■	
	Concealed						
FAB (*4)		Solo	[mm]			600 - 1200	
FAH (*4)		Solo	[mm]			250 - 1500	

LEGEND

● suitable ■ not recommended

(*1) Window sizes and opening angles may be different.

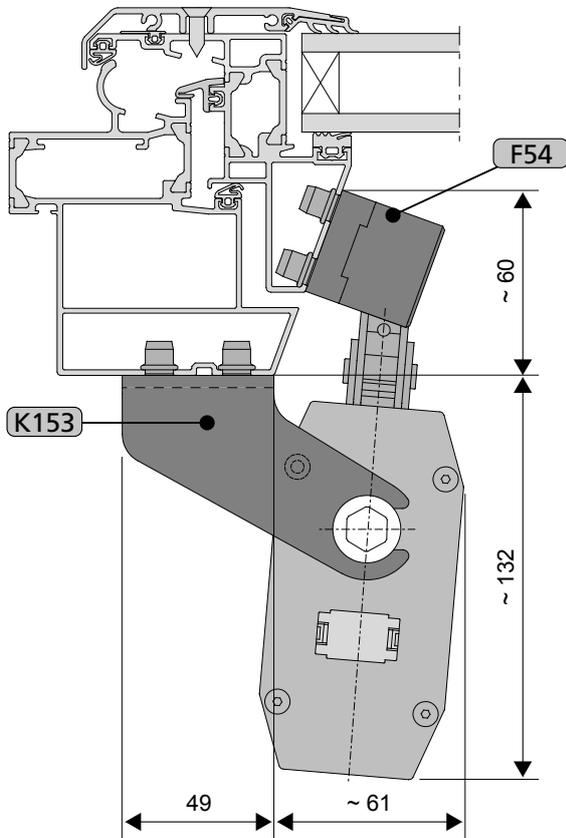
(*2) Sample values of the opening angle evaluated on the basis of FAB/FAH for inward opening windows with drives mounted at the main closing edge. For any other window heights, for outward opening windows and for windows with drives mounted at the side edges the opening angle will vary.

(*3) Please respect the individual geometry of the different windows. The listed max. casement weight refers to a single drive on button hung window with a max. opening angle.

(*4) Sample value of the casement dimensions for corner joints of 110 mm. The actual casement dimensions depend on length of the corner joints, profile dimensions, stroke and position of the drives. The values of FAB/FAH are to be used analogue for side hung windows.

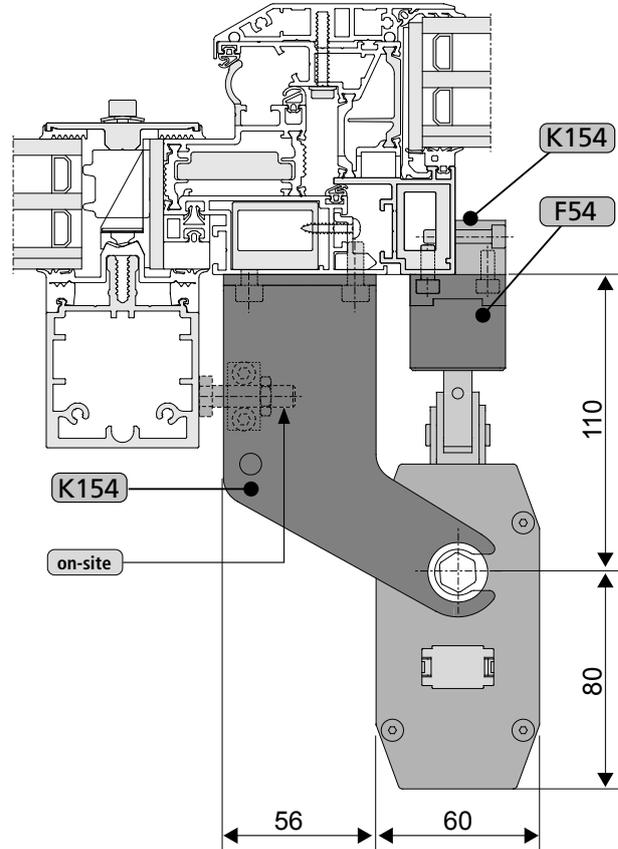
TYPICAL APPLICATIONS

- 1 RM, roof window, outward opening
Schüco AWS 57RO



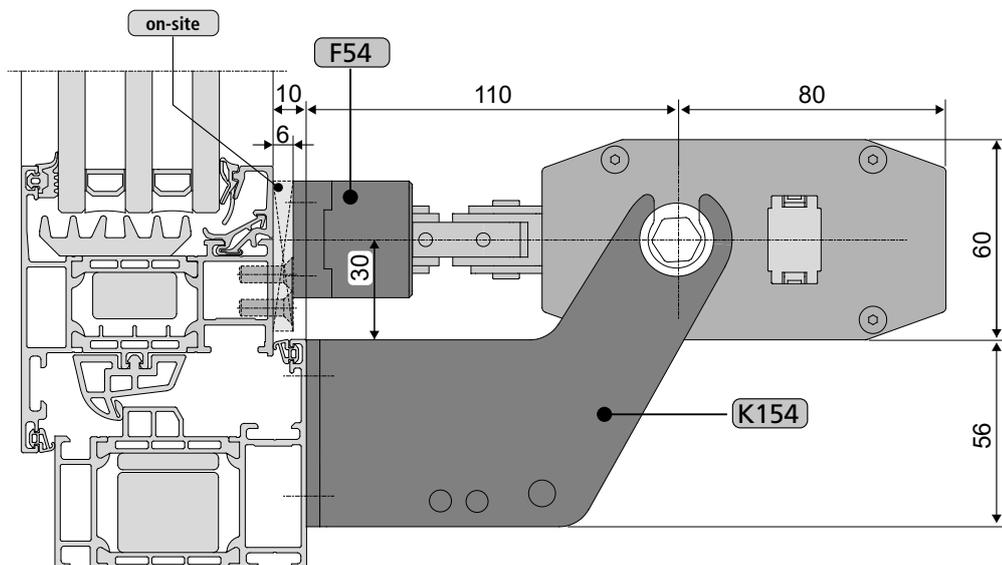
View on aluminium window

- 2 RM, roof window, outward opening
Raico FRAME+100/120RI



View on aluminium window

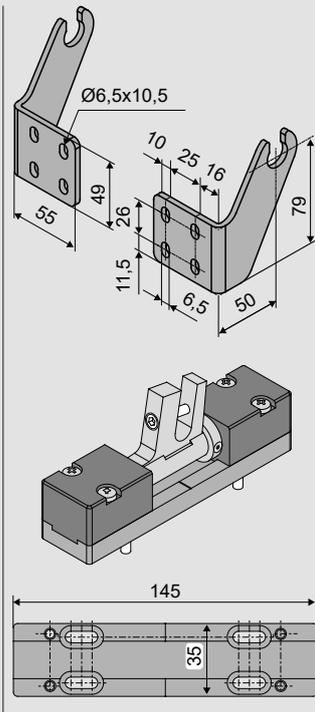
- 2 RM, top hung, outward opening (Mounting universal for facade)



View on aluminium window

CASEMENT BRACKETS AND FRAME BRACKET (SET)

**K153
F54**



Application

Surface mounting on the frame profiles outward opening roof windows series **Schüco AWS 57RO**, for **swivelling** fixing of drives **KS15 with F54**

Part.-No. 524080

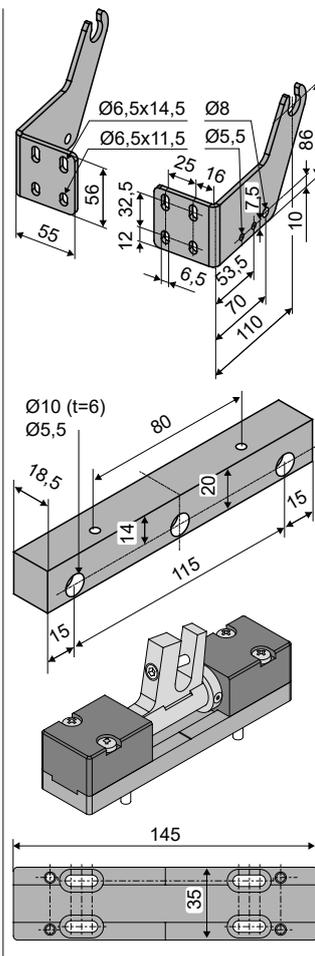
Material / Finish

K153: stainless steel, vibratory grinding
F54: aluminium (E6/C-0)

Feature / Equipment

- 1x K153 frame bracket (left + right)
- 1x F54 casement bracket consisting of: baseplate, chain storing, screws M5x30, screw M5x30

**K154
F54**



Application

Surface mounting on the frame profiles outward opening roof windows series **Raico FRAME+100/120RI**, for **swivelling** fixing of drives **KS15 with F54**

Part.-No. 524085

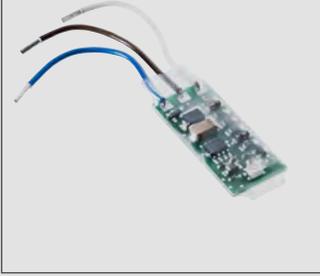
Material / Finish

K154: stainless steel, vibratory grinding
F54: aluminium (E6/C-0)

Feature / Equipment

- 1x K154 frame bracket (left + right) with mounting block
- 1x F54 casement bracket consisting of: baseplate, chain storing, screws M5x30, screw M5x30

OPTIONAL ACCESSORIES

Main control unit			
M-COM		<p>Application</p> <p>Configuration module for automatic configuration and surveillance of max. 4 opening drives / 2 locking drives version S12 / S3 in synchronised multi-drive systems</p> <p>Rated voltage: 24 V DC (19 V ... 28 V)</p> <p>Current consumption: <12 mA</p> <p>Drive type: S12</p> <p>Protection rating IP30 rubber envelope</p>	<p>Part.-No. 524177</p> <p>Ambient temperature range: 0 °C ... + 70 °C</p> <p>Dimensions 45 x 17 x 6 mm</p> <p>Connecting wires 3 wires 0,5 mm² x 50 mm</p> <p>Feature/Equipment Printed circuit board with components and connection wires to be installed in connection box to be supplied on site</p>
Plug solution			
AUMÜLLER-Click plug solution		<p>Application</p> <p>AUMÜLLER-Click plug solution: Unified plug solution for all AUMÜLLER chain drives and AUMÜLLER folding arm drives.</p> <p>Rated voltage: 24 V DC (19 V ... 28 V)</p> <p>Connecting cable: non-halogen, grey 5 x 1,0 mm² length: 5 m</p> <p>Terminal: to 1,5 mm²</p>	<p>Part.-No. 501290</p> <p>Feature/Equipment</p> <ul style="list-style-type: none"> • Flexible cable length • Connect multiple drives in series connection • Torsion-plug • Locking hooks prevent withdrawal of the plug under tensile load • Strain relief according DIN EN 60335-1 by screwing the housing halves

CASEMENT BRACKETS AND FRAME BRACKETS

Special model	PU/pcs.	Part.-No.			
Casement brackets painted / powder coated in other RAL colours					
Lump sum for coating		516030			
Specify at order stage:	1 – 20	516032			
	21 – 50	516032			
	51 – 100	516032			
	from 101	516032			
Frame brackets painted / powder coated in other RAL colours					
Lump sum for coating		516030			
Specify at order stage:	1 – 20	516031			
	21 – 50	516031			
	51 – 100	516031			
	from 101	516031			