

### Product data sheet

### **RWA 110 NT**

Opening and locking system for outward-opening bottom-, top-, and sidehung leaves





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#### **Product features**

System solution with profile-mounted E 250 NT spindle drive and a console set with locking device

Mechanical locking at the main closing edge by the spindle drive

Large opening width with short spindle stroke in less than 60 seconds

Synchro operation possible with two drives for wide window leaves

IQ windowdrive - intelligent drive control

SHEV tested according to EN 12101-2

#### **Application Areas**

Opening and locking of outward-opening windows

Natural ventilation, smoke and heat extraction system, natural smoke and heat extraction device (SHEV)

Can be used in the exhaust air and air intake

Outward-opening windows with bottom-hung, top-hung and side-hung leaves

Installation on wooden, PVC or metal windows

#### **Product Data Table**

Space required (min.)  Permissible dimensions of primary closing edge Solo for timber and aluminium frames  Permissible dimensions of primary closing edge Solo for plastic frames  Permissible dimensions of primary closing edge Syncro for timber and aluminium frames  Permissible dimensions of primary closing edge Syncro for plastic frames  Permissible dimensions of primary closing edge Syncro for plastic frames  Leaf heights for Solo and Syncro  Possible stroke heights  Tensile force (max.)  Force of pressure (max.)  Panel weight (max.)  Operating voltage  Current consumption  Current consumption  Power consumption  Residual ripple (max.)  Connection cable length  Leaf frame: min. 33 mm, cover frame: min. 45 mm  430 - 1200 mm  430 - 800 mm  430 - 800 mm  650 - 2400 mm  660 - 1600 mm  750 N  850 - 1600 mm  750 N  750 N  750 N  750 N  Panel weight (max.)  750 N  Panel weight (max.)  Operating voltage  24 V (+30 % to -20 %)  Current consumption  Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption  Residual ripple (max.)  Connection cable length	Product features	RWA 110 NT
edge Solo for timber and aluminium frames  Permissible dimensions of primary closing edge Solo for plastic frames  Permissible dimensions of primary closing edge Syncro for timber and aluminium frames  Permissible dimensions of primary closing edge Syncro for plastic frames  Leaf heights for Solo and Syncro 600 - 1600 mm  Possible stroke heights 150 mm, 200 mm, 300 mm  Tensile force (max.) 750 N  Force of pressure (max.) 750 N  Panel weight (max.) 30 kg/m²  Operating voltage 24 V (+30 % to -20 %)  Current consumption 1A  Current consumption Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption 20 W  Residual ripple (max.) 30 %	Space required (min.)	
edge Solo for plastic frames  Permissible dimensions of primary closing edge Syncro for timber and aluminium frames  Permissible dimensions of primary closing edge Syncro for plastic frames  Leaf heights for Solo and Syncro 600 - 1600 mm  Possible stroke heights 150 mm, 200 mm, 300 mm  Tensile force (max.) 750 N  Force of pressure (max.) 750 N  Panel weight (max.) 30 kg/m²  Operating voltage 24 V (+30 % to -20 %)  Current consumption 1A  Current consumption Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption 20 W  Residual ripple (max.) 30 %		430 - 1200 mm
edge Syncro for timber and aluminium frames  Permissible dimensions of primary closing edge Syncro for plastic frames  Leaf heights for Solo and Syncro 600 - 1600 mm  Possible stroke heights 150 mm, 200 mm, 300 mm  Tensile force (max.) 750 N  Force of pressure (max.) 750 N  Panel weight (max.) 30 kg/m²  Operating voltage 24 V (+30 % to -20 %)  Current consumption 1 A  Current consumption Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption 20 W  Residual ripple (max.) 30 %	, , ,	430 - 800 mm
edge Syncro for plastic frames  Leaf heights for Solo and Syncro 600 - 1600 mm  Possible stroke heights 150 mm, 200 mm, 300 mm  Tensile force (max.) 750 N  Force of pressure (max.) 750 N  Panel weight (max.) 30 kg/m²  Operating voltage 24 V (+30 % to -20 %)  Current consumption 1 A  Current consumption Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption 20 W  Residual ripple (max.) 30 %		850 - 2400 mm
Possible stroke heights  Tensile force (max.)  Force of pressure (max.)  Panel weight (max.)  Operating voltage  Current consumption  Current consumption  Power consumption  Residual ripple (max.)  150 mm, 200 mm, 300 mm  750 N  750 N  750 N  24 V (+30 % to -20 %)  Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  750 N  750 N	· · · · · · · · · · · · · · · · · · ·	850 - 1600 mm
Tensile force (max.)  Force of pressure (max.)  Panel weight (max.)  Operating voltage  Current consumption  Current consumption  Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption  Residual ripple (max.)  750 N	Leaf heights for Solo and Syncro	600 - 1600 mm
Force of pressure (max.)  Panel weight (max.)  Operating voltage  Current consumption  Current consumption  Current consumption  Power consumption  Residual ripple (max.)  750 N  30 kg/m²  24 V (+30 % to -20 %)  Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A	Possible stroke heights	150 mm, 200 mm, 300 mm
Panel weight (max.)  Operating voltage  24 V (+30 % to -20 %)  Current consumption  1 A  Current consumption  Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption  20 W  Residual ripple (max.)  30 %	Tensile force (max.)	750 N
Operating voltage 24 V (+30 % to -20 %)  Current consumption 1 A  Current consumption Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption 20 W  Residual ripple (max.) 30 %	Force of pressure (max.)	750 N
Current consumption1 ACurrent consumptionVentilation (24 V): 0.9 A, RWA (18 V): 1.0 APower consumption20 WResidual ripple (max.)30 %	Panel weight (max.)	30 kg/m <sup>2</sup>
Current consumption  Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A  Power consumption  Residual ripple (max.)  30 %	Operating voltage	24 V (+30 % to -20 %)
Power consumption 20 W Residual ripple (max.) 30 %	Current consumption	1 A
Residual ripple (max.) 30 %	Current consumption	Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A
	Power consumption	20 W
Connection cable length 2 m	Residual ripple (max.)	30 %
	Connection cable length	2 m



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Cable dimensions	4 x 0.75 mm <sup>2</sup>
Temperature range	-5 °C - 75 °C
IP rating / protection rating	IP65 / III
Tandem function	Yes
Locking and additional angle bracket	Yes
End position cut-off extended	Internal path sensor
End position cut-off retracted	Internal path sensor
Overload cut-off	Yes
SHEV tested	Yes
Bottom-hung window OUTWARD-opening leaf installation	Yes
Side-hung window OUTWARD-opening door leaf installation	Yes
Top-hung window OUTWARD-opening leaf installation	Yes