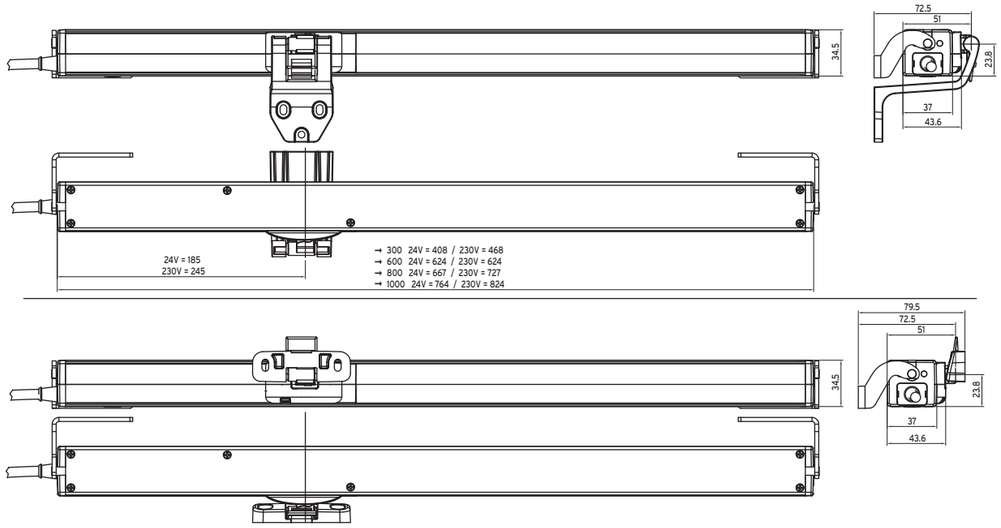


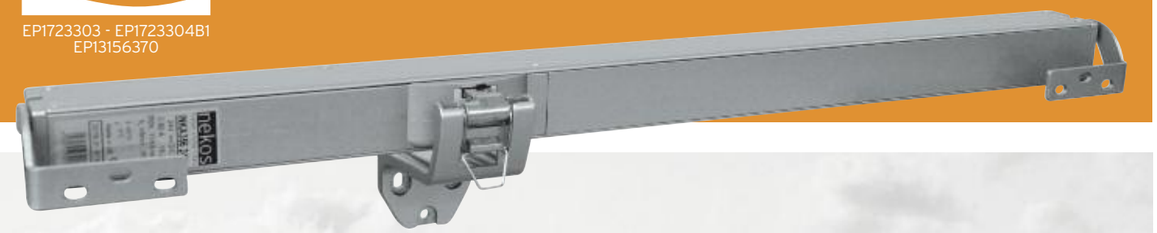
INKA 356

Metallic Chain Actuator 350 N

110÷230V~ / 24V= Stroke 300 - 600 - 800 - 1000 mm

PATENTED

EP1723303 - EP1723304B1
EP13156370



INKA 356	230V~(AC)	24V=(DC)	SYNCRO³ 230V	SYNCRO³ 24V
Pull force	350N			
Push force	350N (see strenght diagram)			
Variable strokes	300 (100, 200) - 600 (400, 500) - 800 (600, 700) - 1000 (800, 900) mm			
Syncro³ technology (patented)	Yes			
Power supply voltage	110÷230V~(AC)	24V=(DC)	110÷230V~ (AC)	24V=(DC)
Frequency	50/60Hz	-	50/60Hz	-
Current at nominal load	0,23 A (230V)	0,80 A	0,23 A (230V)	0,80 A
Power absorbed at nominal load	29 W	19,2 W	29 W	19,2 W
Speed	11 / 9,6 mm/s		11 / 9,6 mm/s	
Stroke duration at nominal charge (Open)	Stroke 300/600/800/1000 = 28 / 54 / 72 / 90 s			
Stroke duration at nominal charge (Close)	Stroke 300/600/800/1000 = 36 / 67 / 88 / 109 s			
Double electrical insulation	YES	B.T.	YES	B.T.
Service type	S^2 of 3 min			
Operating temperature	-20 °C ÷ +70 °C			
Degree of protection for electrical devices	IP32			
Soft Stop / Start	YES			
Relax function	YES			
Frame rebated overlap self-learning	Self-determination of the postion			
Connection in parallel	YES			
Power supply cable type and length	H05VV-F - 2 m		FRR/2 - 2,5 m	
Opening end stroke	Electronic through dip-switches			
Closing end stroke	At absorption of power			
Overload protection	At absorption of power			
Dimensions for 230V (strokes 300/600/800/1000)	34,6x37 L=468/624/727/824 mm			
Dimensions for 24V (strokes 300/600/800/1000)	34,6x37 L=408/624/667/764 mm			
Static holding force	2000 N			
Weight	0,9/1,4/1,8/2,2 Kg	0,8/1,3/1,7/2,1 Kg	0,9/1,4/1,8/2,2 Kg	0,8/1,3/1,7/2,1 Kg

Data provided in these illustrations is not binding and subject to change, even without advanced notice.

INKA 356 230V AC		**INKA 356 24V DC**	
Code	*Description*	*Code*	*Description*
6031050	INKA 356 230VAC - stroke 300	6051050	INKA 356 24VDC - stroke 300
6031051	INKA 356 230VAC - stroke 600	6051051	INKA 356 24VDC - stroke 600
6031052	INKA 356 230VAC - stroke 800	6051052	INKA 356 24VDC - stroke 800
6031053	INKA 356 230VAC - stroke 1000	6051053	INKA 356 24VDC - stroke 1000
6031550	INKA 356 230VAC Syncro³ - stroke 300	6051550	INKA 356 24VDC Syncro³ - stroke 300
6031551	INKA 356 230VAC Syncro³ - stroke 600	6051551	INKA 356 24VDC Syncro³ - stroke 600
6031552	INKA 356 230VAC Syncro³ - stroke 800	6051552	INKA 356 24VDC Syncro³ - stroke 800
6031553	INKA 356 230VAC Syncro³ - stroke 1000	6051553	INKA 356 24VDC Syncro³ - stroke 1000

nekos

Nekos srl - Italy
via Capitoni, 7/5 - 36064 Mason Vicentino (VI) - tel. +39 0424 411011
fax +39 0424 411013 - **www.nekos.it** - info@nekos.it - commerciale@nekos.it

nekos

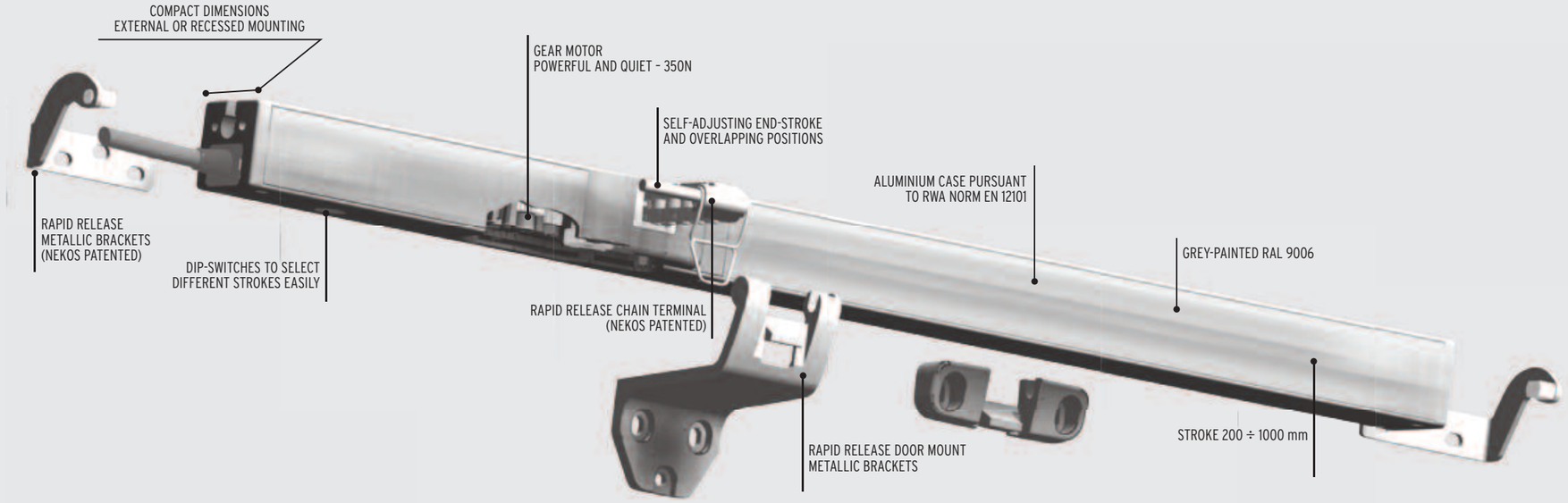
INKA 356

The chain actuator of high-technology...
the best friend for users and experts!

TECHNICAL DATA

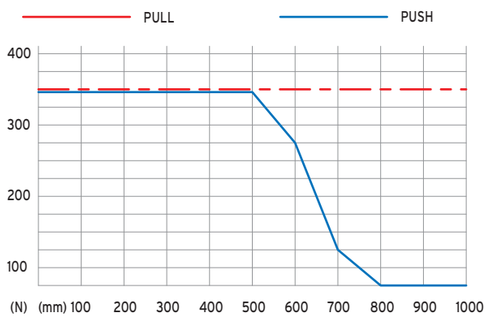
- Power control over the entire stroke (stop if overloaded);
- Progressive starting (**SOFT START**) and closing (**SOFT STOP**);
- Stroke end: electronic opening stroke-end with variable stroke that can be selected at any time using dip-switches, self-adjustment closing position and automatic regulation to the overlap;
- **RELAX FUNCTION**: relaxation of mechanical parts after each stroke-end due to stop for power absorption;
- The actuator can be connected in parallel and synchronized thanks to **SYNCRO³** (Nekos patented) technology in compliance with Directive 2004/108 CE (EMC) and 2006/95 CE (B.T.);
- **GREY-PAINTED** (RAL 9006) **ALUMINIUM** case provided with white cable (230V) or grey cable (24V), metallic support and fixing brackets with screw-less rapid release (Nekos patented);
- Four links in two-rows chain made of stainless steel to grant high resistance to corrosion and diverse weather conditions.

- INKA 365: The latest member of Nekos chains actuators' family widens the supply of force (350N) and strokes (from 200 to 1000mm) adapting to diverse kind of windows from outward and vasistas to dormer windows and dome.
- The external case made of aluminium contributes to an elegant design, while the compact dimensions (34,6x37) allow surface mounting with a minimal visual impact as well as recessed mounting and into curtain walls mounting.
- Smoke and heat extraction system (RWA) : entirely made of metal, INKA 356 is certified under EN 12101-2 and can be used for RWA installation.
- Remarkably quiet (41 dB) while maintaining high power standards. Due to accurate researches, it has been possible to develop and combine an innovative gear motor with a new electronic concept of energy performance, so that the actuator gives the right power when required.
- A sophisticated electronics provided with microprocessor allows installing the actuator within industrial context as well as integrating it within domotic ones, where it can be easily connected with already existing devices to transmit "window open/close" signal.
- SYNCRO³ Technology (Nekos Patented) permits to connect up to 8 INKA SYNCRO³ together to work in perfect synchronization, without any external devices.
- If combined with the electromechanical lock K-LOCK and with perimetral hardware, it can constitute a burglar-resistant system and reaching the perfect closing of the window a high thermal K.



- Other strengths of the INKA, common also to all Nekos' products are:
  - Easy to install thanks to rapid release support brackets and fixing brackets (Nekos patented), to self-adjusting end stroke and immediate stroke selection through dip-switches.
  - Reliability tested through 10.000 cycle at maximum load. The actuators undertake 100% functional test before being delivered all over the world.
  - MADE IN ITALY: Nekos designs and builds all its own products, relying on a qualified Italian suppliers' network. The R&D department within Nekos develops software and hardware components, which are pivotal to all our products.

TABLE OF FORCE-STROKE RELATION



ACCESSORIES TO BE ORDERED SEPARATELY (NOT INCLUDED IN THE PACKAGING)

Code	*Description*
4010115	Metallic bracket for vasistas mounting

Code	*Description*
4010117	Metallic bracket for horizontal outward application

Code	*Description*
4010116	Metallic bracket for vertical outward application

Code	*Description*
4010118	Metallic support brackets