SECO Ni 24 40

Stroke 600, 900mm



CONTROLS

Chain Actuator / 24V dc / 400N

The SECO Ni 24 40 is a certified and compliant Chain Actuator designed to provide precise and reliable operation for Smoke and Environmental Ventilation applications.

SE Controls manufacture this high-quality 'Made in Britain' actuator with the following features:

- Tested with specific system profiles to all annexes of smoke vent standard EN12101-2-2003 (contact SE Controls to ensure it is tested with your profile, and the correct manufacturing process is followed)
- 'Frequency of operation' data logging records every actuator movement
- · Compact design with variable options for stroke length
- Standard finish is Grey RAL 9006, can be customised to suit requirements
- Standard flex length is 2m but this can be modified to suit installation requirements
- Extensive range of brackets to suit a variety of window systems
- · Quiet operation with configurable speed control
- 900mm version is not suitable for Top Hung applications

Orientation











Side Hung

NB: 24V actuators require control from a compatible low voltage unit such as an OS2 SHEVTEC controller or NVLogiQ® PSU and permanent power should not be applied.

Accreditations

Certified and tested with specific profiles to all annexes of EN12101-2:2003.





Applications





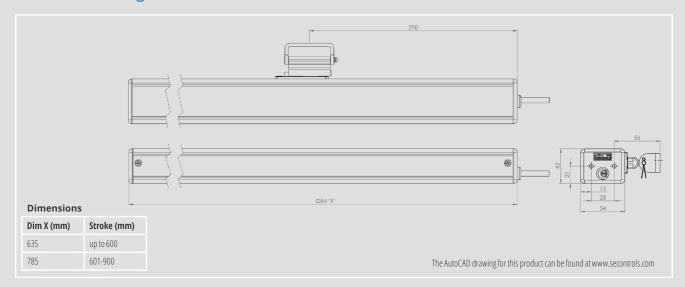
Associated Controls

Stroke	600mm	900mm	
Controller	No. Actuators*	No. Actuators*	
3 AMP Transformer	3	2	
NVLogiQ PSU	4	4	
SHEVTEC Controller	8	6	
30 AMP PSU	30	25	
OS2 AC Controller	N/A	N/A	

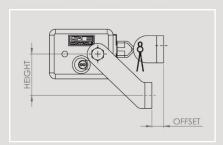
*Recommended maximum no. of actuators

+44 (0)1543 443060 sales@secontrols.com www.secontrols.com

Technical Drawing



Standard Bracket Detail



Bracket Product Codes

	Height (mm)		
Offset (mm)	35	40	50
0	AKS16000001	AKS16000002	AKS16000003
5	AKS16050001	AKS16050002	AKS16050003
8	AKS16080001	AKS16080002	AKS16080003
10	AKS16100001	AKS16100002	AKS16100003
15	AKS16150001	AKS16150002	AKS16150003
20	N/A	N/A	AKS16200003



Please ensure the controllers have a minimum 1 second delay between switching AND a Permissible Ripple Voltage of 1V_{SS} if they are not SE Controls products.

Technical Data

Actuator SECO Ni 24 40 Actuator Type 24V dc Chain Opener Voltage (all +/-5%) 24V dc Current Draw (Amp) 0-600mm=1.0A 601-900mm (configurable) 601-900mm (configurable)* Operating Speed 15mm/sec configurable) Ambient Operating Temp -5°C to +60°C Thrust Force 400N Close Force 400N Soft Close Yes Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Clamping Force 4000N Clamping Force 4000N Flex Length 2m Flex Type 2 core / 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional				
Voltage (all +/-5%) Current Draw (Amp) 0-600mm=1.0A 601-900mm=1.2A Stroke 0-600mm (configurable) 601-900mm (configurable)* Operating Speed 15mm/sec min.8mm/sec (configurable) Ambient Operating Temp -5°C to +60°C Thrust Force 400N Close Force 400N Soft Close Yes Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Clour Option Other RAL colours available on request Flex Length Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Product Warranty Duty Cycle 15,000 cycles Duty Cycle 1P Rating Product Colour Force Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Actuator	SECO Ni 24 40		
Current Draw (Amp) 0-600mm=1.0A 601-900mm=1.2A Stroke 0-600mm (configurable)* 601-900mm (configurable)* Operating Speed 15mm/sec min.8mm/sec (configurable) -5°C to +60°C Thrust Force 400N Close Force 400N Soft Close Yes Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 400N Clour Option Other RAL colours available on request Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating Bracket Sill fixing/ open inward/ face fix bracket Synchronisation	Actuator Type	24V dc Chain Opener		
Stroke 0-600mm (configurable) 601-900mm (configurable) 601-900mm (configurable) 400	Voltage (all +/-5%)	24V dc		
601-900mm (configurable)* Operating Speed 15mm/sec min.8mm/sec (configurable) Ambient Operating Temp -5°C to +60°C Thrust Force 400N Soft Close Yes Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 400N Colour Option Other RAL colours available on request Flex Length 2m Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating Bracket Sill fixing/ open inward/ face fix bracket Synchronisation	Current Draw (Amp)			
min. 8mm/sec (configurable) Ambient Operating Temp -5°C to +60°C Thrust Force 400N Close Force 400N Soft Close Yes Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Colour Option Other RAL colours available on request Flex Length 2m Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation	Stroke			
Thrust Force 400N Close Force 400N Soft Close Yes Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Colour Option Other RAL colours available on request Flex Length 2m Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Operating Speed			
Close Force Soft Close Yes Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Colour Option Other RAL colours available on request Flex Length 2m Flex Type 2 core/0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty Duty Cycle 15,000 cycles Duty Cycle 12% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Synchronisation Optional	Ambient Operating Temp	-5°C to +60°C		
Soft Close Switching Electronic Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Colour Option Other RAL colours available on request Flex Length 2m Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Synchronisation Optional	Thrust Force	400N		
Switching Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Colour Option Other RAL colours available on request Flex Length Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Froduct Warranty Duty Cycle 15,000 cycles Duty Cycle 122% (2 mins on, 7 mins off) IP Rating Bracket Sill fixing/ open inward/ face fix bracket Synchronisation	Close Force	400N		
Standard Finish Powder coated Grey (RAL 9006) Seal Relief Programmable up to 20mm Clamping Force 4000N Other RAL colours available on request Flex Length 2m Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Synchronisation Optional	Soft Close	Yes		
Seal Relief Programmable up to 20mm Clamping Force 4000N Colour Option Other RAL colours available on request Flex Length 2m Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Synchronisation Optional	Switching	Electronic		
Clamping Force 4000N Colour Option Other RAL colours available on request Flex Length 2m Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Standard Finish	Powder coated Grey (RAL 9006)		
Colour Option Other RAL colours available on request Flex Length Flex Type 2 core/ 0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Synchronisation Optional	Seal Relief	Programmable up to 20mm		
Flex Length Flex Type 2 core/0.75mm silicone 4 core (volt free contact) as option Flex Colour Froduct Warranty Duty Cycle 122% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Synchronisation Optional	Clamping Force	4000N		
Flex Type 2 core/0.75mm silicone 4 core (volt free contact) as option Flex Colour Grey Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Colour Option	Other RAL colours available on request		
4 core (volt free contact) as option Flex Colour Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Flex Length	2m		
Product Warranty 15,000 cycles Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Flex Type			
Duty Cycle 22% (2 mins on, 7 mins off) IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Flex Colour	Grey		
IP Rating IP20 or IP42 (see Product Codes below for details) Bracket Sill fixing/ open inward/ face fix bracket Synchronisation Optional	Product Warranty	15,000 cycles		
Bracket Sill fixing/open inward/face fix bracket Synchronisation Optional	Duty Cycle	22% (2 mins on, 7 mins off)		
Synchronisation Optional	IP Rating	IP20 or IP42 (see Product Codes below for details)		
	Bracket	Sill fixing/ open inward/ face fix bracket		
Application Smoke and Environmental Ventilation	Synchronisation	Optional		
	Application	Smoke and Environmental Ventilation		

Product Codes

Silver Grey (RAL 9006)	Operating Voltage	Force	Stroke	IP Rating
AASI400600S	24V	400N	600mm	IP20
AASI400900S	24V	400N	900mm	IP20
AASI4006001	24V	400N	600mm	IP42
AASI4009001	24V	400N	900mm	IP42

^{*900}mm version is not suitable for Top Hung applications.