

Actuator

01VS21

01VS21 is a quiet and rapid actuator, having a speed up to 42mm/s under 1500N, and with its speed well-maintained either with or without load. It features its two mounting points at both tube front and gearbox, while the spindle nut steers the movement parts of furniture. In addition, 01VS21 allows its cable outlet at the front end, and is designed to be connected to the handset and power supply to make up a simple system without control box for furniture applications like recliner sofa.



Features

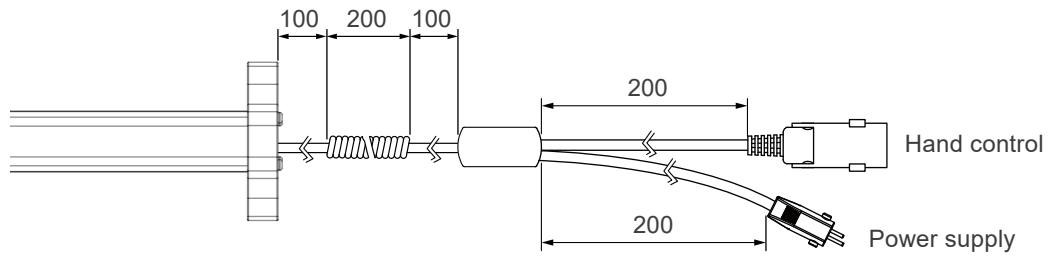
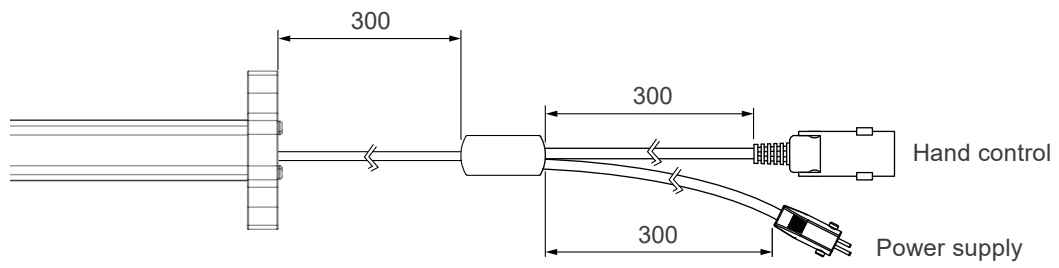
- Main application: Furniture, recliner sofa
- Input voltage: 24V DC
- Max. load: 1500N (push / pull)
- Typical speed at no load: 52 mm/sec
- Typical speed at full load: 42 mm/sec (1500N load)
- Stroke: ≤ 333 mm
- Noise level: ≤ 55 dB
- Color: Black
- Preset limit switches
- Duty cycle: 10%, max. 2 min. continuous operation in 18 min.
- Ambient operation temperature: $-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- Certified: CE Marking, EMC Directive 2014/30/EU, UL 962

Options

- Location of cable outlet (refer to page 4)
- Different cable length (refer to page 4)
- There are 2 plastic nut type can be chosen

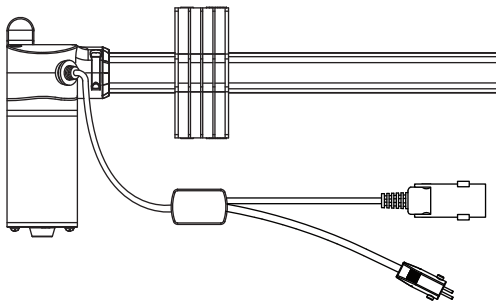
Cable Length

Dedicated cable 01SK1

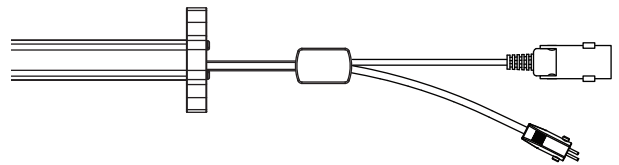


Location of cable outlet

- Rear end outlet



- Front end outlet



Compatibility

Product	Model	01VS21 spec
Seating frame (Not included in product scope)	5104	01VS21-A0-24-HC-130.463-F4
	5302	01VS21-C0-24-HC-130.460-F4
Control-handset	01GV, 01G2F, 01ROAF	With Moteck dedicated cable 01SK1 (Fig. 1)
Control-hand switch	01GR, 01GA02, 01GM02, 01GM03, 01GM04, 01GM05, 01GM06	
Accessory	Switching mode power supply: 01RAQ1	

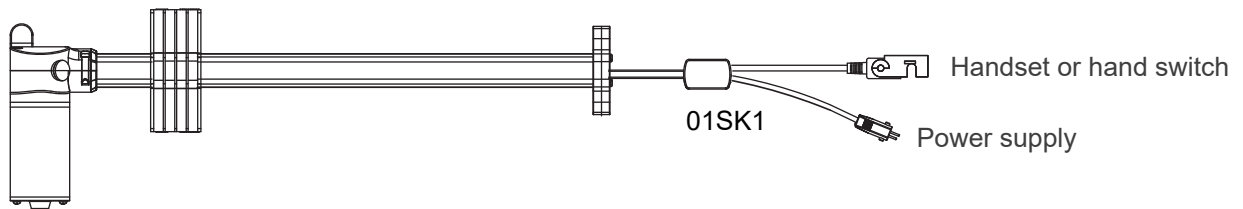
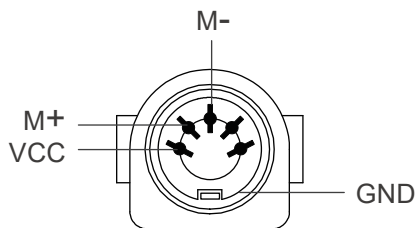


Fig.1 dedicated cable 01SK1 to connect to power supply and control, without control box.

Cable Plug

Hand control connector: with U-type female connector

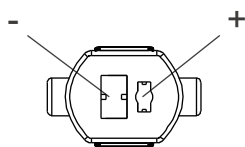


5-pin connector (pinout: C-DIN-51R)

Note:

Connect pin (M+) to "+" & pin (M-) to "-" of DC power, the actuator will extend.

Power Plug: with S-type DIN 41529 male plug



DIN 41529 plug



U-type

S-type

Ordering Key

01VS21- A 0 24 HC 130 460 R S

Nut type	A: A-type plastic nut C: C-type plastic nut <i>(refer to page 3)</i>
Reserved	0: No meaning
Input voltage	24: 24V DC
Motor and Spindle type	HC: 3300rpm, 12mm pitch
Retracted length	XXX <i>(refer to page 3)</i>
Extended length	XXX <i>(refer to page 3)</i>
Location of cable outlet	F: Front end R: Rear end <i>(Refer to page 4)</i>
Cable length	6: 600mm all straight S: 600mm long with 200mm spiral <i>(refer to page 4)</i>

Certifications

The 01VS21 actuator is compliant with the following regulations, in terms of the essential conformity requirements of EMC Directive of 2014/30/EU.

Emission	Immunity
EN 55014-1:2006+A1:2009+A2:2011	EN 55014-2:1997+A2:200+A2+:2008 Catagory I