



Application field - Medical Line Preferably in patient lift and medical bed

JC35L12 is a kind of actuator with large load capacity and fast speed, with manual operation and only push functions. The large load capacity and small installation dimensions make it widely used in the market and provide high-load solutions for many occasions.



General Features

Load in push (N):	8000
Motor rated voltage Input (VDC):	24
Stroke length:	8000N: 50-400mm (in steps of 4mm)
Installation dimensions (mm):	L=310 (S \leq 300) L=S+260 (50 <s<300) L=S+290 (300 \leq S \leq 400)</s<300)
Colour:	Grey (RAL 7035) ; manual operation; Red (RAL 3031)
Limit Switch:	Built-in (electrical)
Noise level:	\leq 50dB (environmental noise \leq 40dB)
Weight:	About 4kg (different stroke length and installation dimensions with different weight) lateral load are not allowed
Duty cycle:	10% max. 2min. continuous use
Max IP grade:	IPX6
Necessary:	Safety nut, Mechanical limit switch, Only push, Manual operation
Flame retardant grade:	UL94V-2
Standards:	IEC60601-1: 2012 EN 60601-1:2006+A12:2014 ANSI/AAMI ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012

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Dimension Drawing

Top clevis 60, end clevis G



Technical parameters

Power voltage (VDC)	Spindle pitch (mm)	Max.Load capacity (N)	Self locking (N)	Speed no load (mm/s)	Speed full load (mm/s)	Current full load (A)
24	5	8000	8000	8.2	6	9
29	5	8000	8000	10	7.5	9

Remark: the above data are typical values at 25 "C





Stroke length versus load



Characteristic

Typical speed	
Min. speed	
Typical current	
Max. current	

8000N







Ordering Key

Take JC35L12X8624300/590HGGG602892D0 for example

Model	JC35L12	
Optional features	x	X = Manual operation+Only push+Safety nut
Load in push	8	8 = 8000N
Speed at full load	6	6 = 6mm/s
Input voltage	24	24 = 24VDC
Stroke length/ Installation dimension	300/590	Stroke length = XXX Retracted length = XXX
Clevis directions	н	H = H direction / $V = V$ direction
Color	G	G = Grey (RAL7035)
End clevis specification	G	G = Slot 10 and hole diameter 010.1
End clevis material	G	G = Steel
Top clevis specification	60	60 = Slot width 6.5 with 110.1 plastic bushings,
Brake specification	2	2 = Right brake
Type of plug and cable	89	89 = 6 pin Molex elbow plug 6 pin spring cord
Cable length	2D0	2D0 = 2m



Ordering Details

Dimension drawing of clevis

End clevis: G





Top clevis: 60





Motor wire

6 Pin Mini-Fit elbow plug

Matching control box :JCB35T2/ JCB35T3/JCB35Q3/JCB35K3

Pin	Color	Function
1	Orange	When not on lower limit, link with red wire
2	Black	When not on upper limit, link with yellow wire
3	Red	When not on lower limit, link with orange wire
4	Brown	When positive voltage power on, actuator will go down
5	Blue	When positive voltage power on, actuator will go up
6	Yellow	When not on upper limit, link with black wire









Strictly abiding by medical safety certifications

Passed EMC tests. To ensure our products pass all kinds of tests domestic or abroad.



Communication protocol development

Aiming at different applications, develop more extensive functions for control system.



Professional customization

Powerful R&D strength, fully satisfy customers' needs. Development cycle is about 10 days, seizing more market opportunities



Intelligent Control of Bluetooth

Mobile phone as the remote, applying in home care. Market pioneer, Jiecang provides better choices



Wireless Communication

Controllers adopt high-frequency wireless system. It can avoid interference mixing with signal receivers, assisting in remote control over medical equipment.



Latest Weighing System

Designed for physiotherapy beds and medical care beds. Cantilever carrying weighing sensor, it is applicable to different bedsteads dispensing with any adjustment



Notes for mounting and usage can be found in the corresponding mounting manual

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