

Linear actuator DSZY5-LT (Limit switches)

The electric linear actuators DSZY5 are operated with alternating current. The DSZY5 linear actuator is available in four different models:

- DSZY5-STD (Standard)
(standard for all applications without position feedback)
- DSZY5-POT
(with potentiometer for absolute position feedback)
- **DSZY5-LT**
(with integrated limit switches)
- DSZY5-LT-POT
(with potentiometer and integrated limit switches)

Equipped with a trapezoidal screw spindle (ACME screw), it is a durable and robust AC linear drive. Thanks to the trapezoidal threaded spindle, it achieves high self-locking. In addition, mechanical overload protection has been integrated.

Limit switch LT
CE



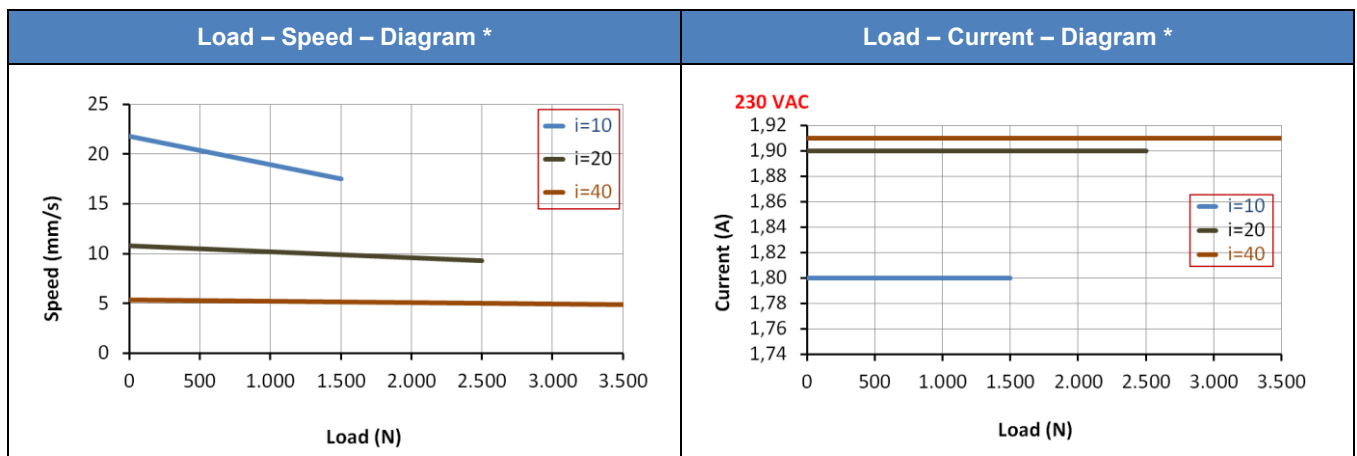
DSZY5

Type code (all options can be combined)

DSZY5	-	230	-	10	-	203	-	LT	-	IP65
Type		Input voltage		Gear reduction i		Stroke		Model		IP Code
		230 Vac		10		102 mm		LT: limit switches		
				20		153 mm		(with integrated, adjustable limit switches)		
				40		203 mm				
						254 mm				
						305 mm				
						457 mm				
						610 mm				

Performance data: Load – Speed – Current

Gear reduction i	Dynamic load (N)	Static load (N)	Typical speed * (mm/s)		Typical current * (A)	
			minimum load	maximum load	minimum load	maximum load
10	1,500	approx. 2,500	21.8	17.5	1.80	1.80
20	2,500	approx. 3,500	10.8	9.3	1.90	1.90
40	3,500	4,500	5.4	4.9	1.91	1.91



(*) Average values at room temperature with a constant load.

Installation instructions

It must be ensured that the load is not greater than shown in the diagram. To protect against overload, the voltage must be switched off when the maximum rated current is reached. This can be read in the load-current diagram depending on the selected reduction ratio. Please note the correct supply voltage, which is indicated on the electric linear actuator.

The piston rod is secured against twisting.

The load must always be centered in the direction of movement. Transverse forces must be avoided. They shorten the service life and can impede the function or lead to irreparable damage in extreme cases.

The actuator has a mechanical overload clutch. The activation of this clutch is expressed in a loud rattling sound.

CAUTION: The overload clutch is not designed for permanent use. Rather, it is intended for emergencies if, for example, the power monitoring fails. For the standard version of the actuator the use of external limit switches is therefore strongly recommended.

CAUTION: Please note the correct wiring for retraction or extension. The connection diagram can be found at the top of the specification sheet.

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