

Linear actuator DSZY1-POT (potentiometer)

The electric linear actuator DSZY1 is suitable for a variety of positioning tasks. It is available in three different models depending on the desired application:

1. DSZY1-STD
(standard for all applications without position feedback)
2. **DSZY1-POT**
(with potentiometer for absolute position feedback)
3. DSZY1-HS2
(with 2-channel Hall sensor for incremental position feedback)

Equipped with a trapezoidal screw spindle (ACME screw), these are small, compact and lightweight DC linear drives. By means of an integrated diode circuit, the direction is reversed quickly by simple voltage reversal of the DC motor. As a standard, all DSZY1 types have two integrated, non-adjustable limit switches directly connected to the DC motor. Overloading of the drive can be prevented by separate monitoring and limiting of the current.

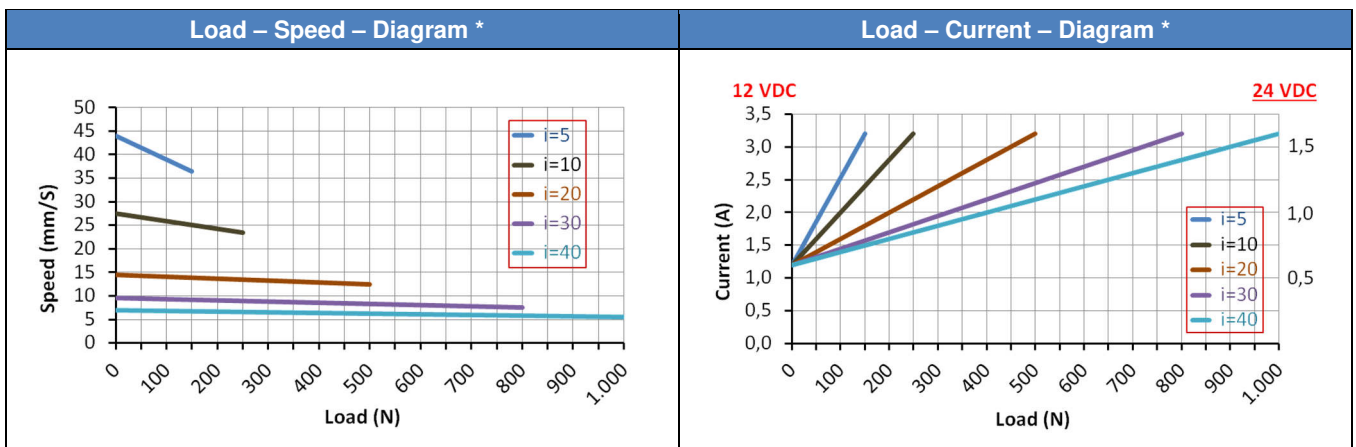


Type code (all options can be combined)

						Optional								
DSZY1	-	12	-	10	-	200	-	POT	-	IP65	-	C	1	1
Type	Input voltage	Gear reduction i	Stroke	Model	IP Code	Front connector (piston rod)		Rear connector (gear cover)						
	12 Vdc 24 Vdc	5 10 20 30 40	25 mm 50 mm 100 mm 150 mm 200 mm 250 mm 300 mm	Potentiometer		1 = standard 3 = spherical rod eye 6 = plastic slot		1 = standard 3 = rotated 90°						

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	
					12 Vdc	24 Vdc	12 Vdc	24 Vdc
5	150	2,500	43.9	36.5	1.2	0.6	3.2	1.6
10	250	2,500	27.6	23.5	1.2	0.6	3.2	1.6
20	500	2,500	14.6	12.3	1.2	0.6	3.2	1.6
30	800	2,500	9.5	7.5	1.2	0.6	3.2	1.6
40	1,000	2,500	7.0	5.5	1.2	0.6	3.2	1.6



Front and rear connector

Front connector (piston rod)		
1 = standard (metal)	3 = spherical rod eye	6 = plastic slot
D=8 mm - H=15 mm - W=6 mm		

Rear connector (gear cover)	
1 = standard	3
D=8mm	

CAUTION:

C11 is standard and will not be specified in the type code.

If at least one connector is changed, option C must be attached to the type key (e.g., DSZY1...-IP65-C63)

