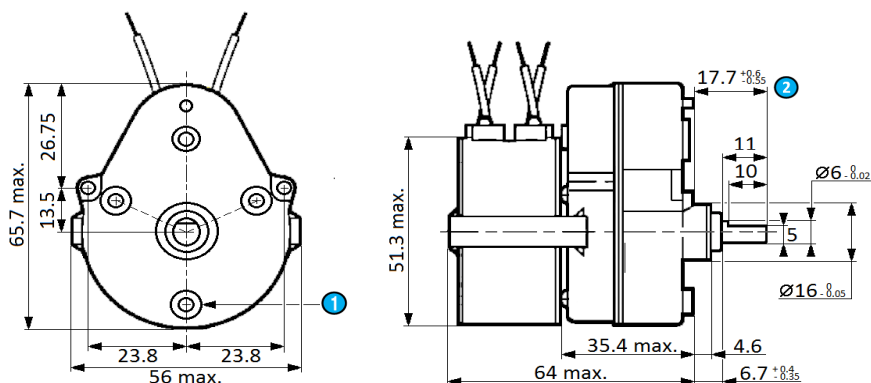


# Stepper gearmotor Data sheet

82 929 001  
ratio 150 - 2 phases

Series  
**829290**



① 3 x M3 (at 120°) depth 4 on diameter 39mm      ② Pushed shaft

## Product

Code	82 929 001		
Family	82 929 0		
Type	Stepper gearmotor		
Definition	Motor 82920 1,7W 500 rpm nominal 7,5 %/t 48 step/t + Gearbox Double ovoide ratio 150      2 phases 10,7 Ohms/phase		

## General characteristics

Motor characteristics (1)	
<b>Motor type</b>	<b>82 920 0</b>
Number of phases	2
Input power	W 7,5
Phase resistor	Ohm 10,7
Phase inductance	mH 24
Phase current	A 0,59
Maintain torque	mNm 70
Voltage per phase	Vcc 6,3
Step angle	deg 7,5
Step precision	% 5
Rotor inertia	g.cm <sup>2</sup> 18,8
Max. detent torque	mNm 6
Weight	g 210
<b>Output leads</b>	
UL style 1569 105°C 300V - 4 leads AWG24	250 mm +- 10

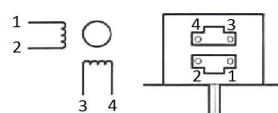
Gearmotor characteristics (1) (2)		A	B	C	D
Additional resistor /phase	Ohm	0	10,7	21,4	32,1
Voltage (phase + add. resistor)	Vcc	6,3	12,6	18,9	25,2
Max. output power	W	0,43	0,74	0,98	1,24
Speed at max. output power	rpm	1,5	2,1	2,5	3,1
Torque at max. output power	Nm	2,79	3,49	3,76	3,79
Max. current	A	0,59			
Weight	g	350			
Noise level	dBA	35			
Motor fixing on gearbox		✓ Clip		Screws	
<b>Miscellaneous</b>					
Dielectric (1s/2mA/50Hz)	CEI60335	Vac	600		
Motor insulation	CEI60085	class	B		
Degree of protection	CEI60529	IP	40		
Temperature range	CEI60068-2-1/2	°C	-30 -> +70		
Storage temperature		°C	-40 -> +80		
<b>Approvals</b>					
ROHS	2011/65/UE	✓			
EC	2014/30/UE	✓			

Notes	
Values without tolerance, are average production values.	
(1) Cold motor, 20 ° C ambient temperature, full speed	
(2) Without taking in count the torque gearbox limits, check gearbox characteristics	
(3) Continuously rated torque, zero radial and axial loads	
(4) Max torque for continuous operation at 20 ° C, decrease this value for higher ambient temperature	

## Command sequence

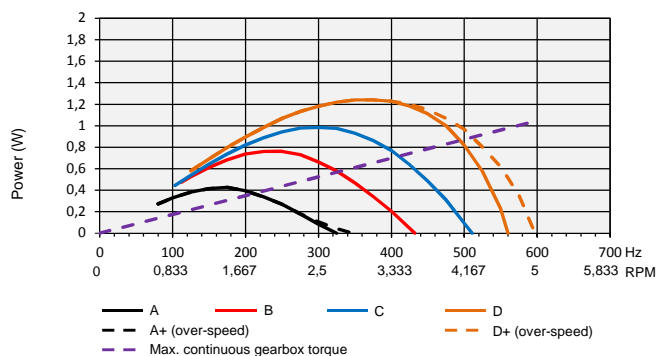
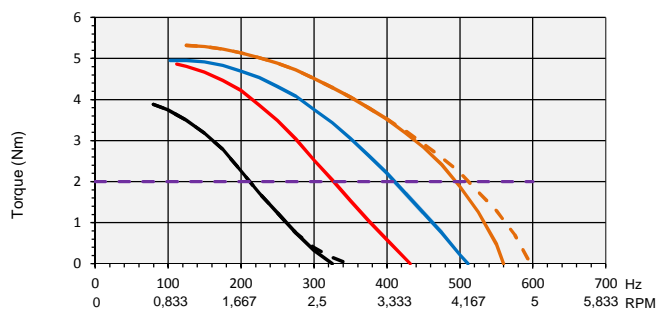
Drive sequence for Clock Wise rotation

Step	1	2	3	4
1	-	+	-	+
2	-	+	+	-
3	+	-	+	-
4	+	-	-	+
5	-	+	-	+



## Gearbox Characteristics

Type	Double ovoide	81 033
ratio	150	
Shaft	standard	
Front bearing	sleeve	
Continuous max. torque	Nm	2
Max. Radial force (12mm from front face)	N	100
Max. axial force	N	10
Weight	g	140



82929001 ratio 150 - 2 phases

0,716

Series 829290