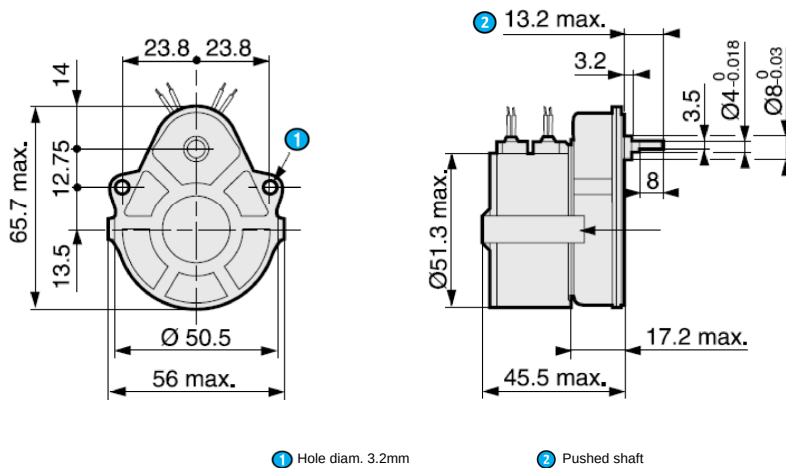


Stepper gearmotor Data sheet

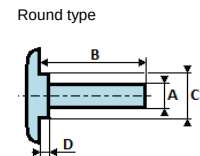
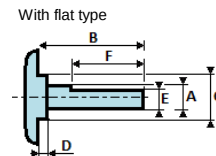
82 924 048
ratio 120 - 4 phases

Series
829240

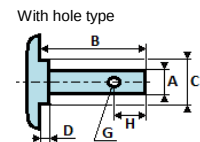


1 Hole diam. 3.2mm

2 Pushed shaft



Shaft ref.	Standard
Type	With flat type
φA	4 -0,018 +0
B	13,2 max
φC	8 -0,03 +0
D	3,2
E	3,5 -0,2 +0
F	8
φG	
H	



Product

Code	82 924 048
Family	82924
Type	Stepper gearmotor
Definition	Motor 82920 1,7W 500 rpm nominal 7,5 °/t 48 step/t + Gearbox Ovoide ratio 120 4 phases 46 Ohms/phase

General characteristics

Motor characteristics (1)			
Motor type	829200		
Number of phases			4
Input power	W		7,5
Phase resistor	Ohm		46
Phase inductance	mH		24
Phase current	A		0,28
Maintain torque	mNm		70
Voltage per phase	Vcc		12,9
Step angle	deg		7,5
Step precision	%		5
Rotor inertia	g.cm ²		18,8
Max. detent torque	mNm		6
Weight	g		210
Output leads			
UL style 1569 105°C 300V - 6 leads AWG24 250 mm +- 10			

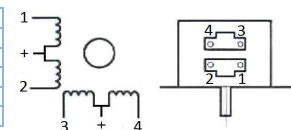
Gearmotor characteristics (1) (2)				
Additional resistor /phase	Ohm	0	46	92
Voltage (phase + add. resistor)	Vcc	12,9	25,8	38,7
Max. output power	W	0,55	0,99	1,17
Speed at max. output power	rpm	2,3	3,4	3,9
Torque at max. output power	Nm	2,25	2,80	2,85
Max. current	A			0,28
Weight	g			140
Noise level	dBA			35
Motor fixing on gearbox		✓	Clip	Screws
Miscellaneous				
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
Approvals				
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

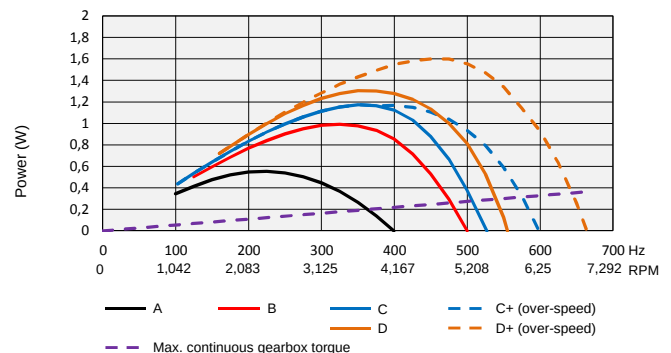
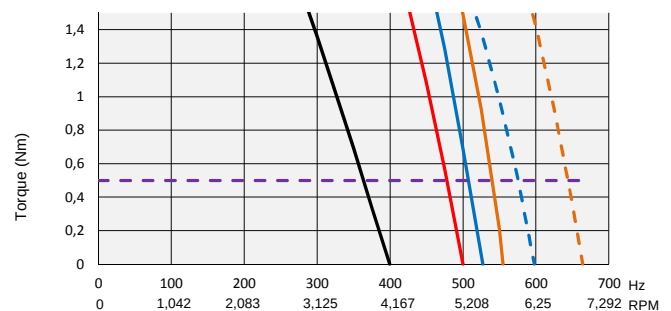
Drive sequence for Clock Wise rotation

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



Gearbox Characteristics

Type	Ovoide	81021
ratio		120
Shaft		standard
Front bearing		brass
Continuous max. torque	Nm	0,5
Max. Radial force (6mm from front face)	N	80
Max. axial force	N	10
Weight	g	275



Specifications subject to change without notice. Updated 15/09/2016

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