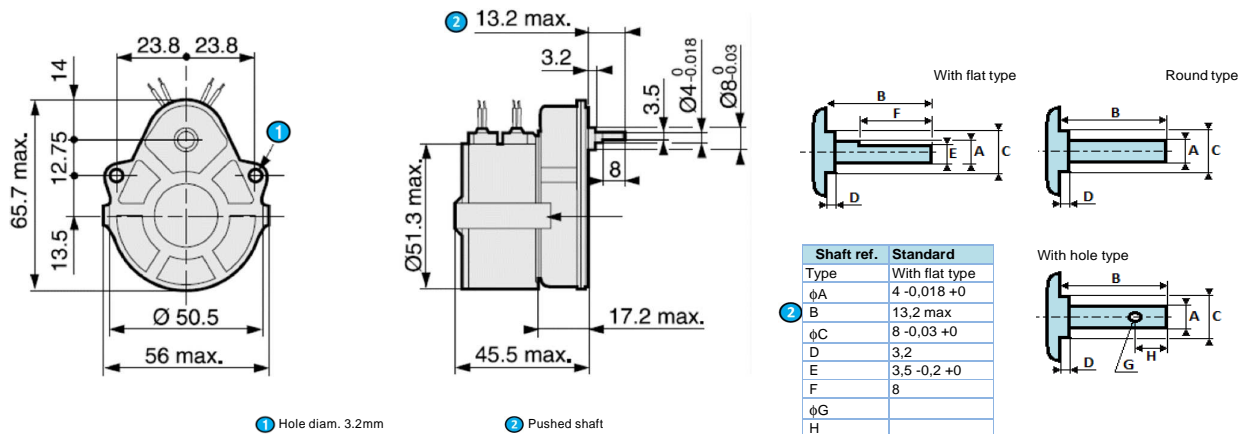


Stepper gearmotor Data sheet

82 924 055
ratio 600 – 2 phases

Series
829240



Product

Code	82 924 055		
Family	82924		
Type	Stepper gearmotor		
Definition	Motor 82920 1,7W 500 rpm nominal 7,5 °/t 48 step/t + Gearbox Ovoide ratio 600	2 phases 10,7 Ohms/phase	

General characteristics

Motor characteristics (1)		829200	
Motor type			
Number of phases		W	2
Input power		Ohm	7,5
Phase resistor		Mh	10,7
Phase inductance		A	24
Phase current		mNm	0,59
Maintain torque		Vcc	70
Voltage per phase		deg	6,3
Step angle		%	7,5
Step precision		g.cm ²	5
Rotor inertia		mNm	18,8
Max. detent torque		g	6
Weight			210

Output leads
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	0,49	0,84	1,12	1,41
Speed at max. output power	rpm	0,7	1,0	1,3	1,6
Torque at max. output power	Nm	6,36	7,95	8,56	8,63
Max. current	A			0,59	
Weight	g			140	
Noise level	dB(A)			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	<input checked="" type="checkbox"/>
EC	2014/30/UE	<input checked="" type="checkbox"/>

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	-	+	-	+

Gear box Characteristics

Type	Ovoide	81021
ratio		600
Shaft		standard
Front bearing		Brass
Continuous max. torque	Nm	0,5
Max. Radial force (6mm from front face)	N	80
Max. axial force (5)	N	10
Weight	g	275

