

7.5° 12.5 Watts 2 phases Part number made to order



- 48 steps/revolution (7.5°)
- Absorbed power : 12.5 W
 2 or 4 phase versions available

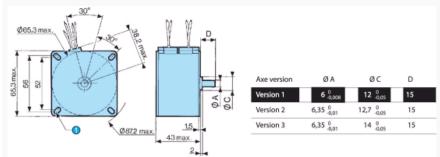
Part numbers

	Туре	Туре	Number of phases	Electronic controller used	Resistance per phase (ö)	Inductance per phase (mH)	Current per phase (A)	Voltage at motor terminals (V)
ADE TO IRDER	2 phases	82 940 0	2	Bipolar	5.2	16	1,1	5,7

Specifications

Absorbed power (W)	12,5
Holding torque (mNm)	300
Step angle (^o)	7,5
Positioning accuracy (%)	5
Rotor inertia (gcm ²)	180
Max. detent torque (mNm)	16
Max. coil temperature (^o C)	120
Storage temperature (⁰ C)	-40 →+80
Thermal resistance of coil - ambient air (°C/W)	5,6
Insulation resistance (at 500 Vcc) (M Ω) following NFC 51200 standard	> 10 ³
Insulation voltage (50 Hz, 1 minute) (V) following NFC 51200 standard	> 600
Wires length (mm)	250
Weight (g)	540
Protection rating	IP40

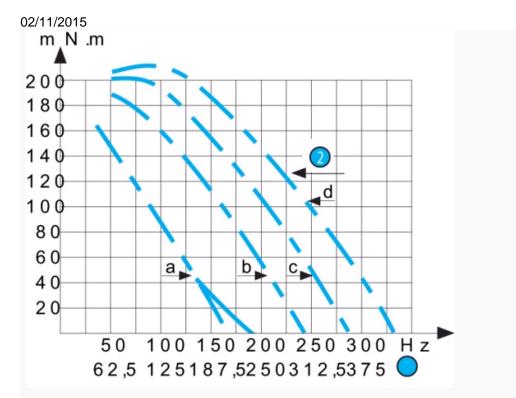
Dimensions (mm)



Nº	Legend
1	4 oblong fixing holes 4.2 wide

Curves

2 phases

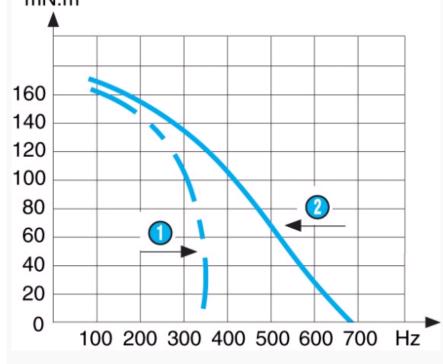


Inertia of measuring chain : 20.5 g.cm2 a = constant voltage controller with Rs (resistance in series) = 0 b = constant voltage controller with Rs (resistance in series) = 2R motor c = constant voltage controller with Rs (resistance in series) = 3R motor The measurements are made with full stepping, 2-phases energised.

Nº	Legend	
1	RPM	
0	Max. stopping-starting curves	

Curves

2 phases - Max. stopping-starting and operating curves at I constant (PBL 3717) for 2 (motor) phases 5.2 Ω. Holding torque 240 mN.m. Current per phase 0.55 A mN.m



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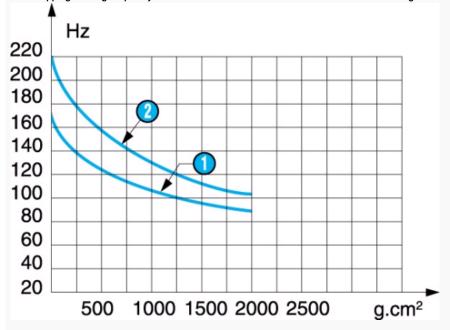
N°	Legend
1	Max. stopping-starting curves

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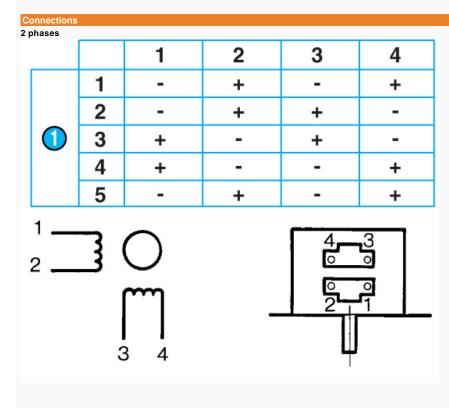
Max. operating curves

Curves Max. stopping-starting frequency curves as a function of the external inertia load at zero antagonistic torque. Tests at constant U.



N.B. Measurement conditions : Tam = 25 °C, motor cold

N°	Legend
0	2 phases
0	4 phases



Energisation sequence for clockwise rotation : (viewed shaft end)

Nº

Legend



Special output shafts
Special supply voltages
Special cable lengths
Special connectors