

57 square - 225 mNm continuous with Hall effect sensors 95 W nominal at 24 V and 4400 rpm Part number 80140512



- High power motors (up to 95 W continuous at 24 VDC)
- Suitable for voltages between 6 and 75 VDC
- Ideal for applications where the control electronics have to be off centre due to the high ambient temperature
- Temperature probe built into the motor

Part numbers

Туре	Туре	References
80140512 95 W nominal at 24 V and 4400 rpm	801405	Without option

Specifications

General characteristics

10000
500*
225**
57
2,2
1,5
77
3,2
50
5,7
120
Yes
3 (delta config)
4
-40 →70
1000
20000
Yes
900
73
IP54

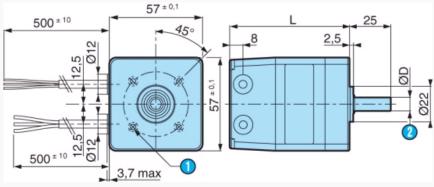
Comments

Standard winding

Standard Willding	
Phase-to-phase resistance (Ω)	0,45 ±12,5 %
Voltage at peak torque (V)	5,9
Current at peak torque (A)	13,1
Torque constant (mNm/A)	38,1 ±10 %
Back EMF constant (V/ (rad/s))	0,0381
Back EMF constant (V/Krpm)	4 ±10 %
Inductance (mH)	1 ±30 %

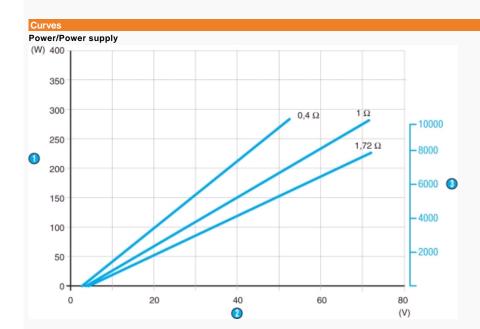
Dimensions (mm)

801405



02/11/2015 www.crouzet.com

Nº	Legend	
1	4 holes M5 over Ø 40 mm - depth of thread : 4.5 mm - depth of hole 6.6 mm	
②	D: Ø6 - 0.010 - 0.020 mm	
	L : 73.2 mm max.	



Nº	Legend
0	Nominal power
②	Supply voltage
0	Speeds (rpm)

Connections Forward

1

0

1

	Hall			\cup	
1	2	3	1	2	3
1	0	0	0V	+V ===	-
1	1	0	0V	-	+V ===
0	1	0	-	0V	+V ===
0	1	1	+V ===	0V	-
0	0	1	+V ===	-	0V

+V ===

N°	Legend
•	Winding

0V

Connections

Reverse

Hall			0			
1	2	3	1	2	3	
1	0	0	+V ===	0V	-	ı
1	0	1	-	0V	+V ===	
0	0	1	OV	-	+V ===	
0	1	1	OV	+V ===	-	
0	1	0	-	+V ===	0V	
1	1	0	+V ===	-	0V	V

Nº	Legend
0	Winding

Connections

Part number 801405

Wire colour	Connection name	Wire gauge (AWG)
Black	Winding 1	20
Brown	Winding 2	20
Red	Winding 3	20
Red	+ Hall power supply	24
Black	- Hall power supply (return)	24
Yellow	Sonde temp.	24
Orange	Hall 1	24
Brown	Hall 2	24
Green	Hall 3	24

Hall effect : Voltage range : 4.5 24 VDC Max. current : 20 mA Type of output : NPN open collector Not protected against connection errors

Other information

For other standard windings visit www.crouzet.com

02/11/2015 www.crouzet.com

Precautions for use

Not protected against connection errors



- Special shaftsLead lengthA single cable instead of two
- C12 connector built in
 200, 500, 1000 points/revolution encoder
 Shorter motor