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HIWIN CONFIDENTIAL
機密文件未經許可，嚴禁複製

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

G

Moving Direction(+) →

30-M5x0.8Px6DP

36.5

22.5

7

30

14x40=560

16-M5x0.8Px9DP
(Both Sides)

4.5

10

620

15x40=600

(L)

Motor Assembly

41.1

1 min.

1 min.

131.3

Alr gap 0.4 min.

Alr gap 0.4 min.

1.2±0.1

36.5

2.3±0.05

Forcer

Stator

3.8

6.5

39.5

4

152.5

Note:
1.Cabling: IGUS CF10.15.07(7G 1.5)
2.Outer Diameter: 11.5mm
3.Thermal Sensor: 3 PTC 100°C in series
4.Except dimensions,all the specifications in the table are in ±10% of tolerance
5.Choosing the length of cable (L) in the table

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

WIRING DIAGRAM

Signal	CABLE
V	1
U	2
W	3
-	4
Thermal+	5
Thermal-	6
GND	YellowGreen

LMCFA-AC Specification

1	Cont. force(2.8bar)	N	1140
2	Cont. current(2.8bar)	Arms	19.6
3	Cont. force(No cooling)	N	553
4	Cont. current(No cooling)	Arms	9.5
5	Peak force(2.8bar)(1s)	N	4560
6	Peak current(2.8bar)(1s)	Arms	78.3
7	Resistance(line to line)	ohm	1.3
8	Inductance(line to line)	mH	1.3
9	Mass of forcer	kg	6.25
10	Back emf constant	Vrms/(m/s)	33.6

ROUGH %	FIT %	GRD	SCALE	TYPE	LMCFA-AC	DATE
8.0a ▽	3.2a ▽▽	0.8a ▽▽▽	1:X	CUSTOMER		Jun.24.15'
TOLERANCE mm				MATERIAL		CHK 羅鈞名
UP TO 6 30 120 300 600 1200 2400 OVER 2400 ± 0.1 ± 0.2 ± 0.3 ± 0.4 ± 0.5 ± 0.8 ± 1.0 ± 1.5				PART NO	HM13M1AD7000	APPD 黃柏盛
HIWIN® MIKROSYSTEM CORP.				NAME	Forcer unit	SHEET 1-1
				DWG NO	M1AD70	A1