



FULLING MOTOR

## PM STEPPING GEARMOTOR

**42BY/40JB4K**

**PM stepping gear motors**



### ● Indications of the model number

TYPE OF MOTOR ←→ TYPE OF GEAR

<b>42</b>	<b>BY</b>	<b>12</b>	<b>/</b>	<b>40JB</b>	<b>4K</b>	<b>120</b>
Frame	Sort	Voltage	Type of reducer	Max. permissible load	Ratio	
42mm		12:12V 24:24V	40mm	4kg.cm	1:120	

### ● Motor technical data

TYPE	Number of phase	Manner of distribution	Stepping angle	Phase resistance $\Omega$	Exciting voltage V	No-load starting frequency PPS	No-load operating frequency PPS	Rated starting torque g.cm/PPS	Static phase current mA
42BY12	4	2-2	7.5	$30 \pm 10\%$	12	300	350	140/300	400
42BY24	4	2-2	7.5	$200 \pm 10\%$	24	420	330	160/200	126

### ● Permissible load of gearmotor

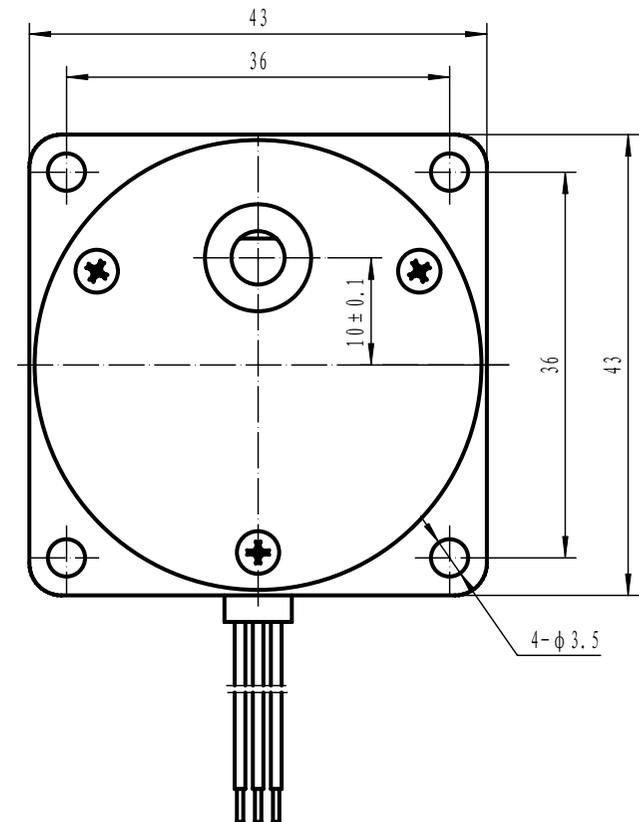
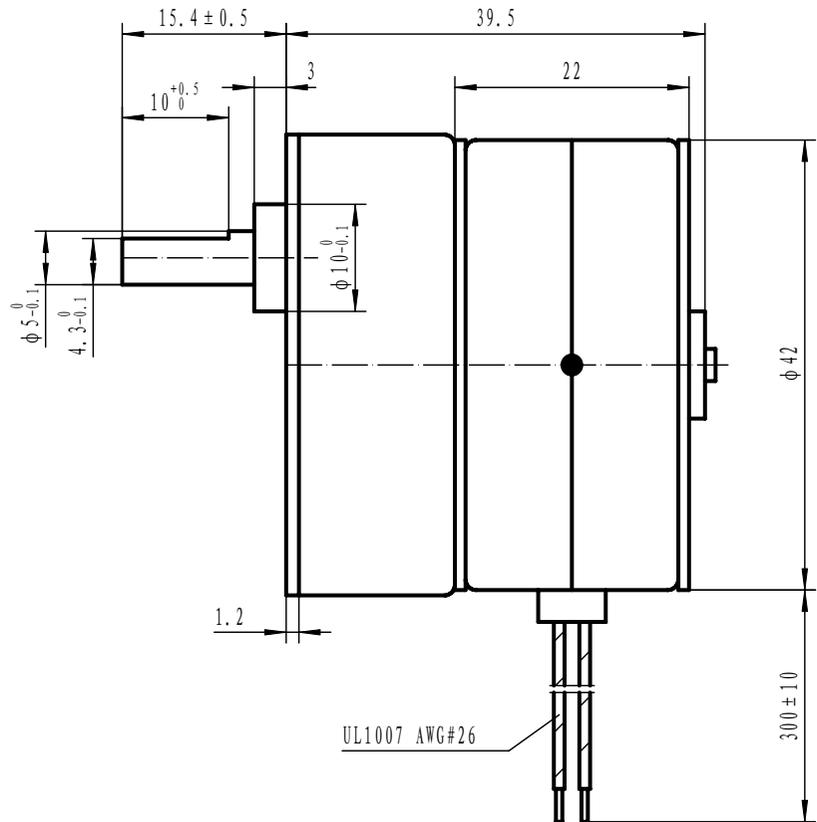
**42BY12/40JB4K(30  $\Omega$ )**

Reduction ratio	10	25	30	50	75	100	120	150
Number of gear trains	2	3	3	4	4	5	5	5
Rated starting torque kg.cm/pps	1.1/300	2.5/300	3.1/300	4.0/300	4.0/300	4.0/300	4.0/300	4.0/300
Stepping angle deg	0.75	0.3	0.25	0.15	0.1	0.075	0.0625	0.05
Max.permissible load of gearhead kg.cm	1.5	2	2	3	3	4	4	4

**42BY24/40JB4K(200  $\Omega$ )**

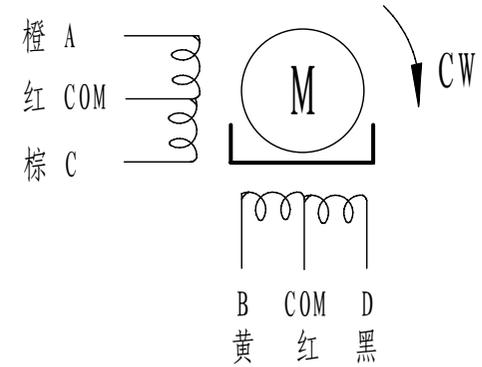
Reduction ratio	10	25	30	50	75	100	120	150
Number of gear trains	2	3	3	4	4	5	5	5
Rated starting torque kg.cm/pps	1.2/300	2.8/300	3.5/300	4.0/300	4.0/300	4.0/300	4.0/300	4.0/300
Stepping angle deg	0.75	0.3	0.25	0.15	0.1	0.075	0.0625	0.05
Max.permissible load of gearhead kg.cm	1.5	2	2	3	3	4	4	4

42BY24/40JB4K  
42BY12/40JB4K



2-2相励磁 安装面输出轴端视电机轴为 CW转向时的励磁顺序

LEAD COLOR		1	2	3	4
ORG	A	-	-		
YEL	B		-	-	
BRN	C			-	-
BLK	D	-			-
RED	COM	+	+	+	+
RED	COM	+	+	+	+



						投影法			FULLING MOTOR		
						组合件					
标记	处数	分区	更改文件号	签名	年月日	阶段标记		重量	比例		
设计						M			2:1	42BY12/40JB4K	
审核										42BY24/40JB4K	
工艺						共 1 张		第 1 张			
标准化			批准								