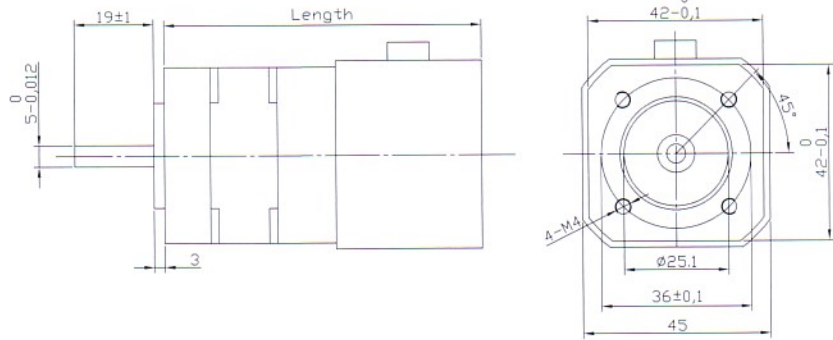


# 42BL IE

WITH INTEGRATED DRIVER

42MM



Dimensions in mm.

## Characteristics

**HALL EFFECT ANGLE**  
120 ° ELECTRIC ANGLE

**SHAFT RUN OUT**  
0,025 MM

**INSULATION CLASS**  
B

**RADIAL PLAY**  
0,02 MM 450G LOAD

**AXIAL PLAY**  
0,08 MM 450G LOAD

**MAX RADIAL FORCE**  
28 N (10 MM FROM FLANGE)

**MAX AXIAL FORCE**  
10 N

**DIELECTRIC STRENGTH**  
500 VDC FOR ONE MINUTE

**INSULATION RESISTANCE**  
100 M OHM MIN. 500 VDC

## Specifications

MODEL		42BL41-IE	42BL61-IE	-	
1	N° OF POLE	8	8	-	
2	N° OF PHASE	3	3	-	
3	RATED VOLTAGE	V	24	24	-
4	RATED SPEED	RPM	4000	4000	-
5	RATED TORQUE	NM	0,0625	0,125	-
6	MAX PEAK TORQUE	NM	0,19	0,38	-
7	TORQUE CONSTANT	NM/A	0,035	0,036	-
8	LINE TO LINE RESISTANCE	Ω	1,8	0,72	-
9	LINE TO LINE INDUCTANCE	MH	2,6	1,2	-
10	MAX PEAK CURRENT	A	5,4	10,6	-
11	LENGTH	MM	76	96	-
12	ROTOR INERTIA	G-CM <sup>2</sup>	24	48	-
13	WEIGHT	KG	450	600	-

## Connection

PIN N°	FUNCTION
1- +5V	+5V VOLTAGE OUTPUT
2- F/R	ROTATION DIRECTION
3- SV	REFERENCE SPEED VOLTAGE 0/+5V
4- PG	SPEED PULSE OUTPUT TTL.12 PULSE/REV.
5- GND	COMMON GROUND SYSTEM
6- GND	DC POWER INPUT GND
7- +Vp	DC POWER INPUT +24VDC