

# MF045AS

## DC Brushless Motor

### ● General information

16 poles with three phases external rotor

Low torque ripple

High inertia torque

Compact design

Insulation class B

Application: Medical, Automation



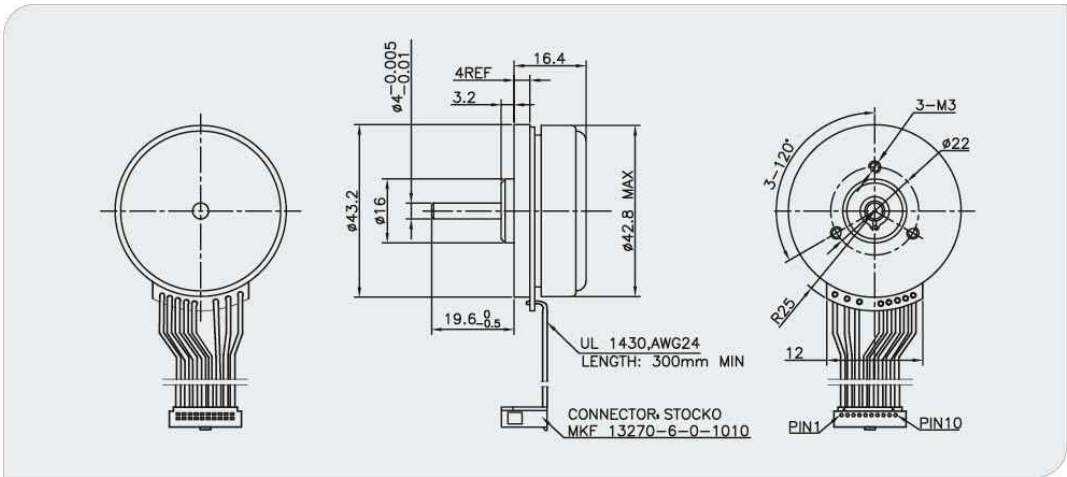
### ● Specifications

SPECIFICATION	Unit	EF045AS100	EF045AS200
Nominal voltage	V	12	24
No load speed	rpm	4500	6500
No load current (max.)	mA	300	300
Nominal speed	rpm	2940	5000
Nominal torque(max.continuous torque)	mNm	55.5	50
Nominal current(max.continuous current)	A	2.05	1.58
Nominal power	W	17	30
Stall torque	mNm	219	440
Stall current	A	10	4.8
Max. efficiency	%	72	72
Terminal resistance phase to phase	$\Omega$	1.2	1.47
Terminal inductance phase to phase	mH	0.36	0.61
Torque constant	mNm/A	25.5	35.5
Rotor inertia	gcm <sup>2</sup>	99	99
Insulation class		B	B
Weight of motor	g	75	80

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● Mechanical



● Characteristic diagram

