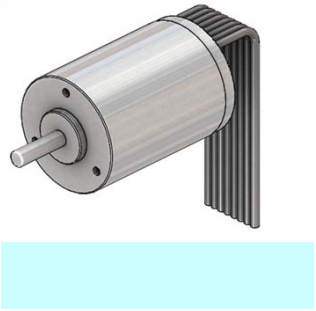
ADAMANT Namiki

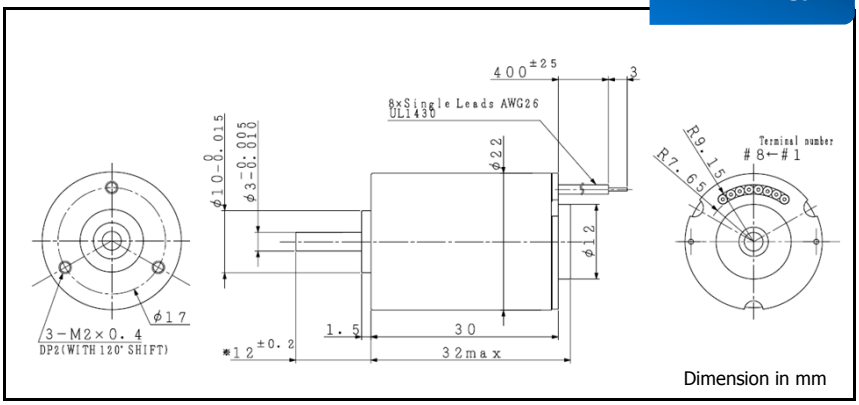
dyNAMIX

DC BRUSHLESS MOTOR SERIES

B4S 22-32 4P magnet ϕ22 , 9 mNm with Hall sensors

NEW R&D





Dimension in mm

For combination with gearhead: Please contact Namiki sales team

	Ordering number	B4S22-3212	
1	Nominal voltage	24.0	V
2	Rated torque	9.00	mNm
3	Rated speed	4894	rpm
4	Rated current	255	mA
5	No load speed	5540	rpm
6	No load current	34	mA
7	Stall torque	77.15	mNm
8	Stall current	1.93	A
9	Output power	11.2	W
10	Max. efficiency	75	%
11	Terminal resistance	12.42	Ω
12	Friction torque	1.38	mNm
13	Back-EMF constant	4.256	mV/rpm
14	Torque constant	40.64	mNm/A
15	Slope of N-T curve	72	rpm/mNm
16	Mechanical time constant	4.00	ms
17	Rotor inertia	4.21	gcm^2
18	Max. torque	22.00	mNm

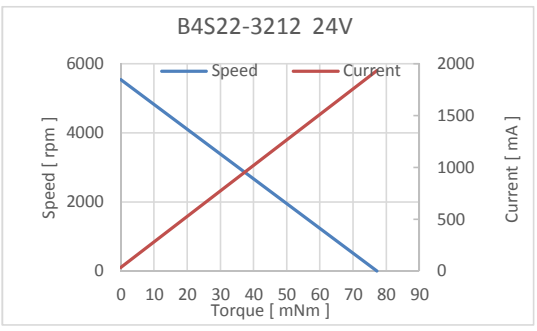
	Mechanical data		
19	Shaft radial play	0.015	mm
20	Shaft axial play	0.23	mm
21	Max. shaft radial load	6 (9 mm)	N
22	Max. shaft axial load	1	N
23	Max. shaft axial load at standstill	10	N
	Environmental specifications		
24	Operating temperature	-20 ~ 80	℃
25	Max. coil temperature	90	℃
	Other specifications		
26	Weight	72	g

*The characteristics are measured with our test driver.

Electrical connections

#1	Coil C	Motor winding C
#2	Coil B	Motor winding B
#3	Coil A	Motor winding A
#4	Hall GND	GND
#5	Hall Vcc	Input voltage 3～26V
#6	Hall c	Hall sensor output (c)
#7	Hall b	Hall sensor output (b)
#8	Hall a	Hall sensor output (a)

*Hall sensors with pull-up resistor 10KΩ built-in



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Specifications are subject to change without notice.