

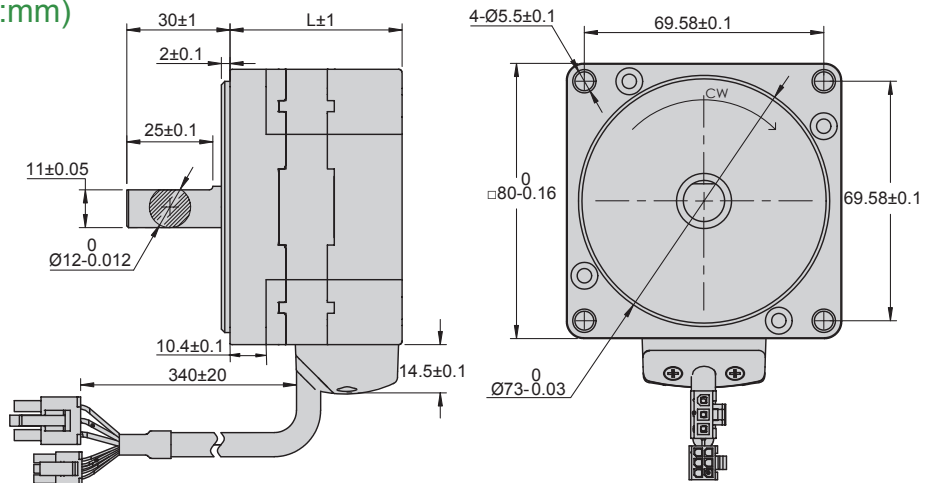
80 BLD Motor

Technical specification

	Symbols	Units	Type				
			AM80BL100L2	AM80BL100L4	AM80BL200L2	AM80BL200L4	AM80BL300L4
		mm	80	80	80	80	80
length	L	mm	50	50	67	67	84
Input voltage	Un	VDC	24	48	24	48	48
Rated power	Pn		100	100	200	200	300
Phase number	P		3				
Rated speed	Nn	RPM	4000	4000	4000	4000	4000
Max. speed	Np	RPM	4500	4500	4500	4500	4500
Rated torque	T	Nm	0.24	0.24	0.48	0.48	0.72
Max. torque	T max	Nm	0.48	0.48	0.96	0.96	1.44
Rated current	I	Arms	5.00	2.43	10.10	5.06	7.49
Max. current	I max	Arms	10.00	4.86	20.20	10.12	14.98
Voltage ± 10%		Vrms/Krpm	3.44	6.88	3.38	6.76	7.03
Torque ± 10%		Nm/Arms	0.048	0.099	0.048	0.095	0.096
Moment of inertia		g.cm ²	38	38	74	74	108
Resistance ± 10%(25°C)	R	Ω	0.18	0.71	0.10	0.32	0.23
Inductance	L	mH	0.34	1.35	0.18	0.70	0.95
Sensor	Hall						
Ins.class	E						
Protective rating	IP40						
Storage temperature	-25~+70°C						
Operating temperature	0~+40°C						
Operating humidity	85% RH or below (noncondensing)						
Operating environment	Outdoor (no direct sunlight), no corrosive gas, no fl ammable gas, no oil mist, no dust						
Altitude	1000m or below						

Mechanical Dimension(Unit:mm)

Series	length
	mm
AM80BL100L2	50
AM80BL200L4	67
AM80BL300L4	84



Torque Curves

