Stepper Motors – Linear UBL

UBL1/2

Dimensions (mm)	∅ 36 x 36
Travel (mm)	4, 8, 13, 45
Travel per step (mm)	0.033
Speed by 200 Hz (mm/s)	6.67
Resistance per winding bipolar/unipolar	
6 V (Ω)	18.5/28
12 V (Ω)	100/120
24 V (Ω)	460/500
Max. Force (N)	35

RoHS Compliant

Standard Data

Climatic class	wide-spread according to IEC 721, part 2-1
Ambient temperature operation	°C -15...+90
Ambient temperature storage	°C -20...+100
Thermal resistance at f=0 R_{therm}	27 K/W
Thermal class	F according to IEC 85
Approval	Standard
Mounting	any position
Electrical connection	Jack connector
Protection	IP 40 according to DIN 40 050/DIN EN 60034-5
Weight	90 g
Rotor stalling	motor can be stopped when voltage is applied, without being overheated
Bearings	Ball bearing, for live lubricated
Surge voltage strength	according to EN 60 034-1/EN 60-335-1

Order Reference – How to Build a Part Number

			UBL	13	N	100 Ω	B	1A
Type	Stepper Motor							
Configuration	13	bipolar						
	23	unipolar						
Approval	N	Approval Standard						
Resistance		See page 57						
Connection		Jack connector 6 pin (other on request)						
Shaft	1A	Travel 8 mm (other on request)						

saia-burgess Motors
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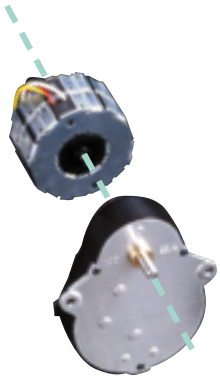
For order management: Ph: 800-998-2298
www.saia-burgess-usa.com

Motoréducteurs synchrones

- Moteurs type UDS1 et réducteur type D
- Tension d'alimentation 220V, 50 Hz
- Couple maximum 0,32 Nm
- Axe de sortie : Ø 4 mm, long. 10 mm
- Raccordement par fils long. 250 mm

Vitesse*	Vitesse (durée/tour)	Sens rotation**	Couple Nm	Références
12 RPM	5 Sec	AIG	0.18	UDS1NE1D41AKNN
12 RPM	5 Sec	INV	0.18	UDS1NE1D41BKNN
10 RPM	6 Sec	AIG	0.19	UDS1NE1D50AKNN
10 RPM	6 Sec	INV	0.19	UDS1NE1D50BKNN
5 RPM	12 Sec	AIG	0.22	UDS1NE1D10CKNN
5 RPM	12 Sec	INV	0.22	UDS1NE1D10DKNN
3 RPM	20 Sec	AIG	0.25	UDS1NE1D16CKNN
3 RPM	20 Sec	INV	0.25	UDS1NE1D16DKNN
1 1/3 RPM	45 Sec	AIG	0.28	UDS1NE1D37CKNN
1 1/3 RPM	45 Sec	INV	0.28	UDS1NE1D37DKNN
1 RPM	1 Min	AIG	0.30	UDS1NE1D50CKNN
1 RPM	1 Min	INV	0.30	UDS1NE1D50DKNN
4 RPH	15 Min	AIG	0.32	UDS1NE1D75EKNN
4 RPH	15 Min	INV	0.32	UDS1NE1D75FKNN
2 RPH	30 Min	AIG	0.32	UDS1NE1D15GKNN
2 RPH	30 Min	INV	0.32	UDS1NE1D15HKNN
1 RPH	1 H	AIG	0.32	UDS1NE1D30GKNN
1 RPH	1 H	INV	0.32	UDS1NE1D30HKNN
1/24 RPH	24 H	AIG	0.32	UDS1NE1D72MKNN
1/24 RPH	24 H	ING	0.32	UDS1NE1D72NKNN

** RPM = rotation par minute, RPH = rotation par heure - ** AIG = horaire, INV = anti horaire*



Moteurs pas à pas

Type	Pas/tour de maintien	Couple	Tens./nom	Résistance	Références
UAG23	20	4,2 mNm	6Vcc	35 Ohms	UAG23N04RC
UAG23	20	4,2 mNm	12Vcc	170 Ohms	UAG23N05RC
UBD23	48	1 cNm	12Vcc	120 Ohms	UBD23N08RN
UFD23	48	3,6 cNm	12Vcc	61 Ohms	UFD23N02RN

Moteur linéaire pas à pas

Type	Avance/pas de maintien	Course	Force d'action	Résistance	Ten./nom	Références
UBL23	0,033 mm	8mm + 0,7	21N	120 Ohms	12V	UBL23N08B1A
Connecteur câblé pour UBL23 avec fils longueur 100 mm						4.408.4935.0

Technical Data

bipolar (UBL1)	Rated voltage U_N	V	6	12	24
	Resistance per winding	R_{20}	18.5	100	460
unipolar (UBL2)	Rated voltage U_N	V	6	12	24
	Resistance per winding	R_{20}	28	120	500
	Steps per revolution	24			
	Steps per mm	30			
	Winding temperature T_{max}	155° C			
	Duty cycle	100%			
	Linear travel max.	4, 8, 13, 45 mm			
	Axial play at 20 N force	< 0.25 mm			
	Axial force by 200 Hz F_A	10 N			

Dimensions (mm)