

UBL1/2

Dimensions (mm)	∅ 36 x 36
Travel (mm)	8; 13; 56 ± 0,7
Travel per step (mm)	0,041
Thread pitch (mm)	0,8
Speed (mm/s) at 200 Hz	8,33
Step angle (°)	15
Max. Force (N)*	35 (for special winding, lower lifetime)
Lifetime	on request



*Depends on winding, frequency and lifetime required.

Drive against end stops only permissible after clarification of operating conditions and approval by Saia-Burgess.

Radial forces on the shaft will reduce life time and performance.

Standard Data

Climatic class	wide-spread according to DIN IEC 60721-2-1
Ambient temperature operation	°C -15...+60
Ambient temperature storage	°C -20...+100
Thermal resistance at f=0 R _{therm}	27 K/W
Thermal class	A according to DIN EN 60085
Approval	standard
Mounting	any position
Electrical connection	jack connector
Protection	IP 40 according to DIN EN 60529
Weight	90 g
Rotor stalling	motor can be stopped when voltage is applied, without being overheated
Bearings	ball bearing, for live lubricated
Electric strength	according to DIN EN 60034-1/DIN EN 60335-1

Order Reference

Type	Stepper Motor	UBL	13	N	100	B	3C
Configuration	13 bipolar 23 unipolar						
Approval	N Approval Standard						
Resistance	See next page	Resistance per winding for bipolar or unipolar.					
Connection	Jack connector 6 pin (other on request)						
Shaft	3C Travel 8 mm ± 0,7 mm / Tr. 3,7 x 1 (other on request)						

Technical Data

bipolar (UBL1)	Rated voltage U_N	V	6	12	24
	Resistance per winding R_{20}	Ω	18,5	100	460
unipolar (UBL2)	Rated voltage U_N	V	6	12	24
	Resistance per winding R_{20}	Ω	28	120	500
Steps per revolution			24		
Steps per mm			30/24		
Winding temperature T_{max}			105° C		
Duty cycle			100%		
Linear travel max.			8; 13; 56 ± 0,7		
Axial play at ± 20 N force			< 0,25 mm		
Axial force at 200 Hz F_A			10 N		

Dimensions

