

UBK1

Dimensions (mm)	∅ 36 x 36
Travel (mm)	8/13/56 ± 0.7
Voltage (V)	12–230
Thread pitch (mm)	1,0
Speed (mm/s)	
50 Hz	6,67/8,33
60 Hz	8/10
Pole number	12
Max. Force (N)*	35
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.

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, with controlled duty cycle
Bearings	ball bearing, for live time lubricated
Electric strength	according to DIN EN 60034-1/DIN EN 60335-1

Order Reference

Type	Synchronous Motor	UBK1	N	12V/50Hz	B	3C
Approval	N	Approval Standard				
Voltage/Frequency	See next page					
Connector	6 pole connector (other on request)					
Shaft	3C	Travel 8 mm ± 0.7 mm (other on request)				

Technical Data

Rated frequency	Hz	50	60
Axial speed	mm/sec	8,33	10
Tolerance of voltage		standard power supply system + 10% / - 10%	
Linear travel max.	mm	8; 13; 56 ± 0.7	
Axial play at ± 20 N force	mm	< 0.25	
Duty cycle		100%	
Winding temperature T _{max}	°C	105°C	
Capacitors			
Rated voltage U _N	V	24	48
Operation capacitor C ₅₀	µF/VAC	3,9/40	1,0/70
Operation capacitor C ₆₀	µF/VAC	3,9/40	1,0/70

Dimensions

