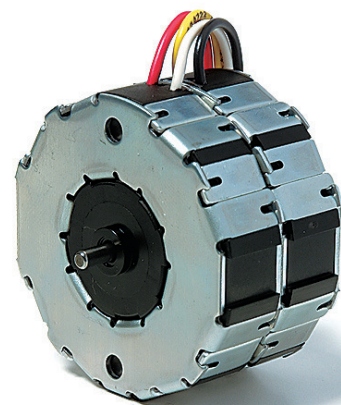


UFU

UFU1



Dimensions (mm)	∅ 52 x 28
Voltage (V)	24–230
Speed (rpm) 50 Hz	375
60 Hz	450
Pole number	16
Running torque (cNm)	
50 Hz	3.5
60 Hz	3.2
Power output (W)	
50 Hz	1.3
60 Hz	1.5
Gear combination	D, M, B, F, V, J (i ≤ 2k), O, P

Standard Data

Climatic class	wide-spread according to DIN IEC 60721-2-1 : 1992
Ambient temperature operation	°C -15...+55
Ambient temperature storage	°C -20...+100
Thermal resistance at f=0 R _{therm}	13 K/W
Thermal class	105 (A) according to DIN EN 60085 : 2004 (130 / B on request)
Approval	standard
Mounting	any position
Electrical connection	cable
Protection	IP40 according to DIN EN 60529 : 2000
Weight	180 g
Rotor stalling	motor can be stopped when voltage is applied, without being overheated
Bearings	sintered bronze, self-lubricating
Electric strength	according to DIN EN 60034-1/DIN EN 60335-1

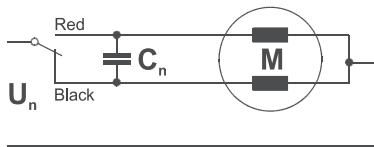
Order Reference

Type	Synchronous Motor	UFU1	00	N	B4	R	N
Rotor shaft, mounting	0 centring 8 mm, shaft 3.0 mm, clip	E centring 10 mm, shaft 3.0 mm, screw plate					
	1 centring 8 mm, shaft 2.0 mm, clip	K centring 10 mm, shaft 2.0 mm, screw plate					
	2 centring 8 mm, shaft 1.5 mm, clip	M centring 10 mm, shaft 1.5 mm, screw plate					
	3 centring 8 mm, shaft 3.0 mm, screw plate	B centring 10 mm, shaft 3.0 mm, clip					
	4 centring 8 mm, shaft 2.0 mm, screw plate	A centring 10 mm, shaft 2.0 mm, clip					
	5 centring 8 mm, shaft 1.5 mm, screw plate	C centring 10 mm, shaft 1.5 mm, clip					
		D centring 12 mm, shaft 3.0 mm, clip					
Approval	N Approval Standard						
Voltage/Frequency	See next page						
Direction	reversible						
Cable	N cable 150 mm (other on request)						

Technical Data

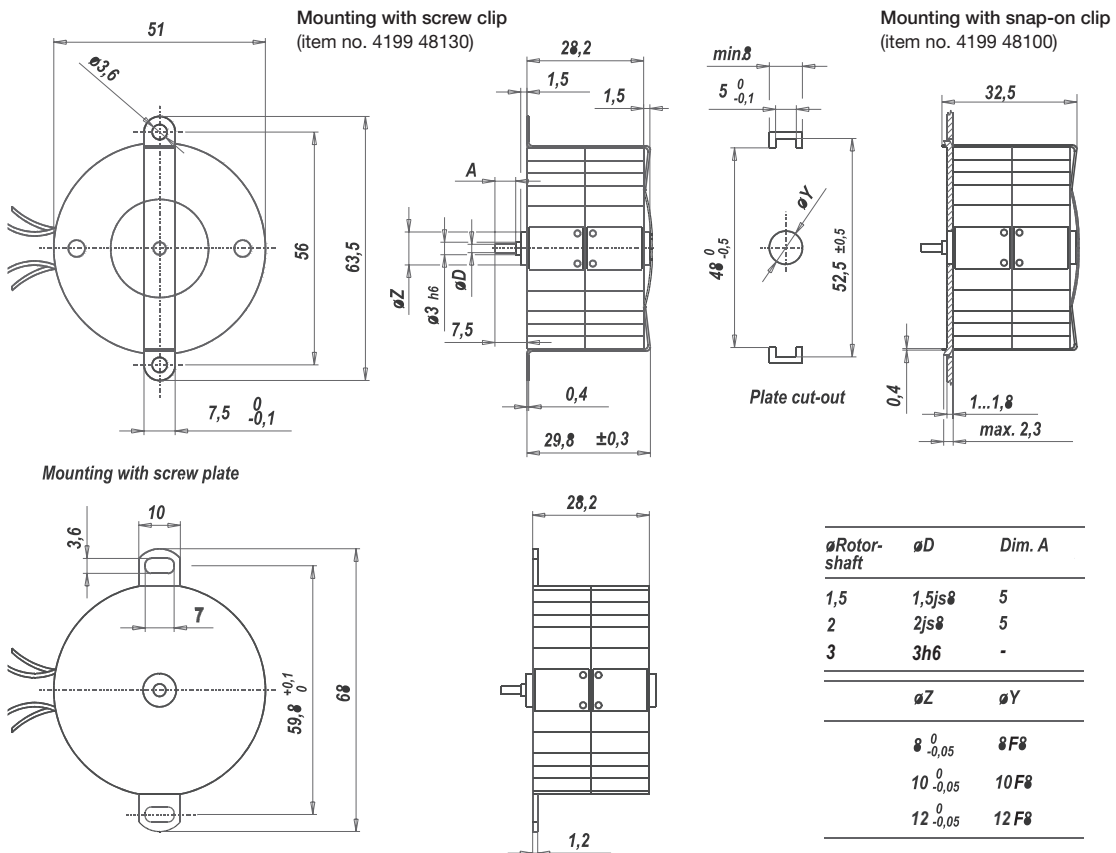
Rated frequency	Hz	50	60	
Speed n	rpm	375	450	
Power consumption	W	3.2	3.5	
Power output	W	1.3	1.5	
Running torque	cNm	3,5	3.2	
Rotor inertia J_R	gcm ²	14.4		
Detent torque M_s	cNm	0.45		
Tolerance of voltage		standard power supply system + 10% / - 10%		
Winding temperature T_{max}	°C	105		
Direction of rotation		reversible		
Rated voltage U_N	V	24	110	230
Duty cycle	%	100	100	100
Resistance R_{20}	Ω	95	2200	8400
Capacitor C_{50}	$\mu F/V \pm 10\%$	10;8.2/48	0.47;0.39/220	0.1;0.082/460
Winding code		B4/G4	C8/H8	D5/J5

Circuit diagram Parallel circuit



Red = clockwise rotation
Black = counter clockwise rotation

Dimensions



Lead wires: AWG 22 (0.34 mm²), insulation diameter $\varnothing 1.72 \pm 0.08$ mm, 6 mm stripped