

UAT1

UAT1

Dimensions (mm)	∅ 20 x 17,2
Voltage (V)	12–48
Speed (rpm) 50 Hz	600
60 Hz	720
Pole number	10
Running torque (cNm) 50 Hz	0,31
60 Hz	0,3
Power output (W) 50 Hz	0,19
60 Hz	0,23
Gear combination	on request



Standard Data

Climatic class	„wide-spread“ according to DIN IEC 60721-2-1
Ambient temperature operation	°C -40 ... +60
Ambient temperature storage	°C -40 ... +100
Thermal resistance at f=0 R _{therm}	50 K/W
Thermal class	„B“ according to DIN EN 60085
Approval	standard
Mounting	any position
Electrical connection	insulation displacement connection, pins, lead wires
Protection	IP 40 according to DIN EN 60529
Weight	25 g
Rotor stalling	motor can be stopped when voltage is applied, without being overheated
Bearings	sintered bronze, self-lubricating

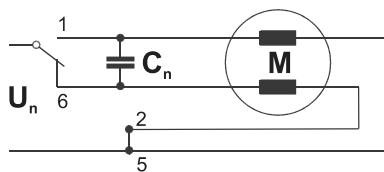
Order Reference

Type	Synchronous Motor	UAT1	0	N	24 V/50 Hz	R	E
Rotor shaft, mounting	0 centring 8 mm, screw plate with thread M2						
	3 centring 8 mm, screw plate with slotted hole						
	A centring 6 mm, screw plate with thread M2						
	E centring 6 mm, screw plate with slotted hole						
Approval	N Approval Standard						
Voltage/Frequency	See next page						
Direction	reversible						
Cable	E Lead wires 150 mm with plug AMP MicroMatch 0-215083-6 (other on request)						

Technical Data

Rated frequency	Hz	50	60	
Speed n	rpm	600	720	
Power consumption	W	0.9	0.9	
Power output	W	0.19	0.23	
Running torque	cNm	0.3	0.3	
Rotor inertia J_R	gcm ²	0,31		
Detent torque M_s	cNm	0,1		
Tolerance of voltage		standard power supply system + 10% / - 10%		
Duty cycle		100%		
Winding temperature T_{max}	°C	130		
Direction of rotation		reversible		
Capacitors	Rated voltage U_N	V	24	48
	Operation capacitor C_{50}	µF/VAC	2.2/40	0.68/80
	Operation capacitor C_{60}	µF/VAC	2.2/40	0.68/80

Circuit diagram Parallel circuit



6 = clockwise rotation
1 = counter clockwise rotation

Dimensions

