

# UAT3

## UAT3

Dimensions (mm)  $\varnothing 20 \times 17,2$

Voltage (V) 24

Speed (rpm) 50 Hz 600  
60 Hz 720

Pole number 10

Running torque (cNm) 50 Hz 0,32  
60 Hz 0,3

Power output (W) 50 Hz 0,20  
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 -20 ... +60
Ambient temperature storage	°C -40 ... +100
Thermal resistance at f=0 R <sub>therm</sub>	47 K/W
Thermal class	„B“ according to DIN EN 60085
Approval	standard
Mounting	any position
Electrical connection	lead wires
Protection	IP 40 according to DIN EN 60529
Weight	22 g
Rotor stalling	motor can be stopped when voltage is applied, without being overheated
Bearings	sintered bronze, self-lubricating

## Order Reference

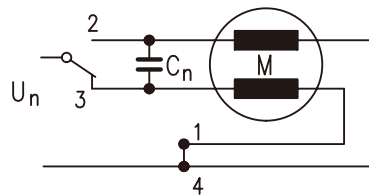
Type	Synchronous Motor	UAT3	3	N	24 V/50 Hz	R	E
Rotor shaft, mounting	3 centring 8 mm, mounting plate with long holes 5 centring 8 mm, mounting plate (for clipping) E centring 6 mm, mounting plate with long holes G centring 6 mm, mounting plate (for clipping)						
Approval	N Approval Standard						
Voltage/Frequency	See next page						
Direction	reversible						
Cable	E cable 150 mm with Tyco connector CT 173977-4 (other on request)						

# UAT3 Synchronous Motors

## Technical Data

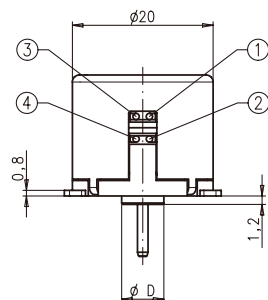
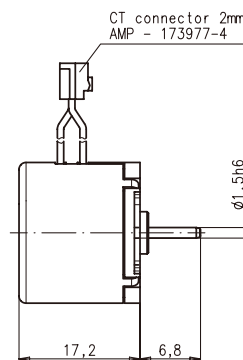
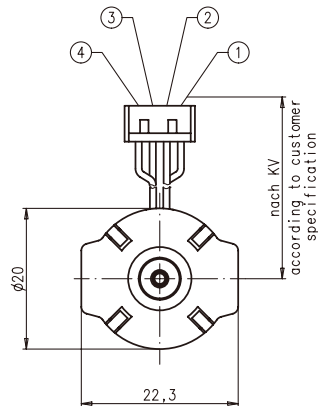
Rated frequency	Hz	50	60
Speed n	rpm	600	720
Power consumption	W	1,4	1,4
Power output	W	0,20	0,23
Running torque	cNm	0,32	0,30
Rotor inertia $J_R$	gcm <sup>2</sup>	0,26	
Detent torque $M_s$	mNm	> 0,6	
Tolerance of voltage		standard power supply system + 10% / - 10%	
Duty cycle		100%	
Winding temperature $T_{max}$	°C	130	
Direction of rotation		reversible	
Capacitors			
Rated voltage $U_N$	V	24	
Operation capacitor $C_{50}$	µF/VAC	3,3/40	
Operation capacitor $C_{60}$	µF/VAC	2,7/40	

### Circuit diagram Parallel circuit



switch to  
 2 = clockwise rotation  
 3 = counter clockwise rotation

### Dimensions



motortype	$\phi$ D
UAT33	$\phi 8 \ 0$ -0,05
UAT3E	$\phi 6 \ 0$ -0,05