



Motor Series **MT0**



Uni-Directional Synchronous Motor - 375 RPM

Application

Timers, Chart recorders, Potentiometer Drives, light Displays, Hour Meterd, Cam Timers, Programming devices and control instrumentation.

Design

MT0 is a unidirectional motor with a cylindrical sheet-iron stator in which the field poles form the stator ring. In combination with the auxiliary poles (provided with copper shading rings) a rotating field is generated when the coil is energized.

The rotor turns in sintered bushings requiring no maintenance. The motor shaft is polished to a mirror finish. Motor can be provided with screw clip for fixing.

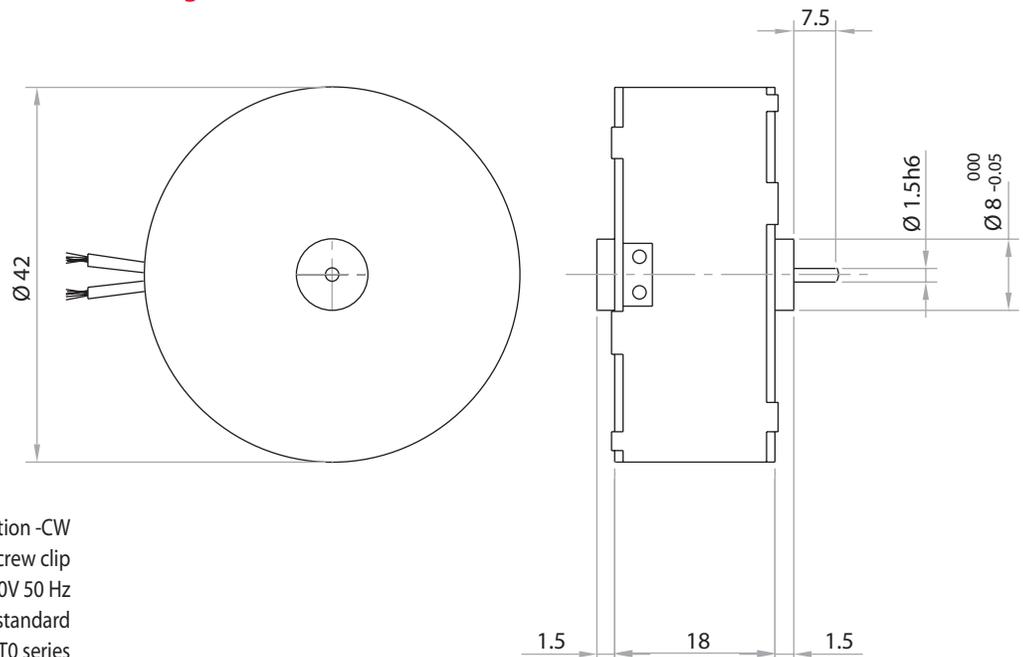
Standard Data

Motor type		Uni directional sunchronous; with electrical shading
Ambient temperature operation	°C	-15...+55
Ambient temperature storage	°C	-20...+100
Thermal class	°C	105
Motor speed	rpm	375 @ 50 Hz
Life expectancy		3 years in continuous operation
Mounting		any position
Standard motor voltages	V	12,24,110,220&240 (other on request)
HVT		2.0 KV (motor voltage>40V) or 0.6 KV (motor voltage<40V) for 1 min.
Weight	gm	100
Rotor stalling		Motor can be stopped when voltage is applied, without being overheated
Rotor shaft		Hardened steel, ground and polished
Bearings		Sintered bronze, self-lubricating
External dimensions		dia. 42 x 18 mm

Technical data

Tolerance of voltage	%	-10...+15% of rated voltage	
Duty cycle	%	100	
Rated frequency	Hz	50	60
Speed	rpm	375	450
Running torque at rated voltage	gm-cm	5	4
Power consumption at rated voltage	W	1.4	1.5

Motor Drawing



Ordering Data

