

Motor Series **MT0**

Uni-Directional Synchronous Motor - 375 RPM



Application

Timers, Chart recorders, Potentiometer Drives, light Displays, Hour Meters, 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.

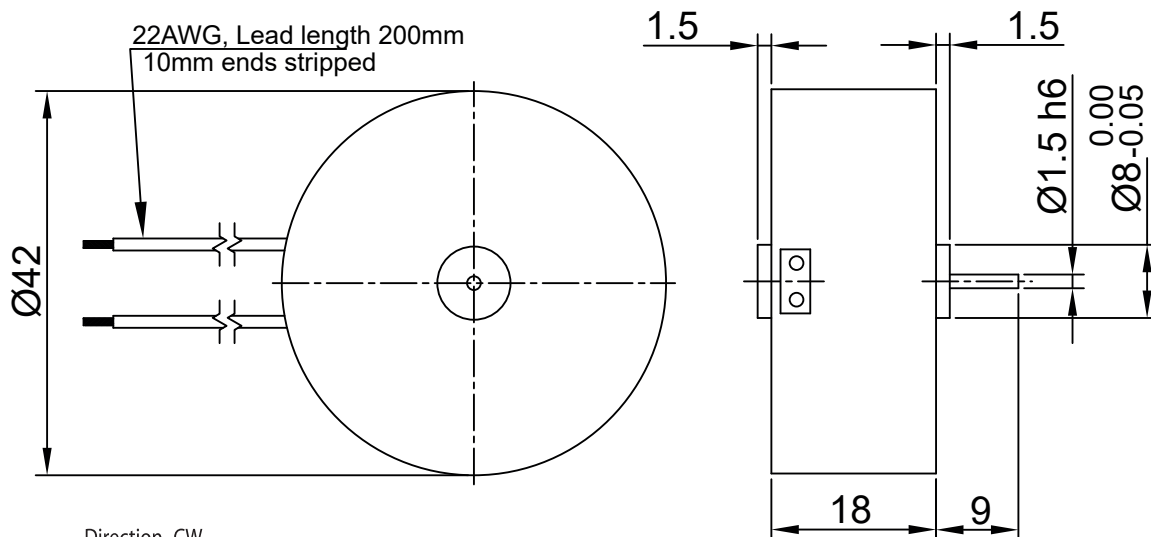
Standard Data

Motor type		Uni directional synchronous; with electrical shading
Ambient temperature operation	°C	-15...+ 55
Ambient temperature storage	°C	-20...+100
Thermal class	°C	105
Electrical Enclosure	IP	40
Connections		Flexible Leads 22 AWG, 200mm length; ends & tinned stripped 10 mm
Life expectancy		3 Years in continuous operation
Mounting		Any position
HVT		As per standard IEC60034-1
Weight	g	100
Rotor stalling		Motor can be stopped when voltage is applied, without being overheated
Rotor shaft		Hardened steel , ground & polished
Bearings		Sintered bronze, self lubricating
External dimensions		dia 42 x 18 mm

Technical data

Standard Motor Voltages Lead colour Vn)	V	12 Red	24 Grey/Black	110 Grey	230 Black
Tolerance of voltage	%	-10....+15% of rated voltage			
Duty cycle	%	100			
Rated frequency	Hz	50			
Power output at rated voltage	W	0.08			
Speed	rpm	375			
Running torque at rated voltage	Ncm	0.24			
Power consumption at rated voltage	W	2.0			

Dimensional Drawing



Ordering Data (eg.)

00C N B1 S C

Direction -CW
Mounting -with screw clip
Voltage -110V 50 Hz
Approval - standard
Motor -MT0 series