



DESCRIPTIONS

Integral type TWS-82 Thumb wheel switches are slim compact switches of high quality used in a wide variety of applications in instrumentation, Machine controls, process controls..etc. The switches are fixed from front of the panel, and are snap mounted type without. The switches have large digits hot-stamped for good visibility. The switches can be ordered either as complete assemblies or modules with sides separately.

FEATURES

- **Field** or factory assembled without any hardware.
- Dummy modules to separate switch functions.
- Slim-line (Only 8mm wide) sections.
- Snap-in front mounting clicks into the panel cut-out.
- Large hot-stamped characters for performance and visibility.
- Black or gray body and coloured wheels (Consult factory).
- Wide range of output codes.
- Factory set wheel stops.

SPECIFICATIONS

CURRENT RATING:

Current Carrying: 1 Amps (Non-Switching).
 Current switching: 125Amps @ 28V DC (resistive)

OPERATING VOLTAGE: 50mV to 28V DC or 120V AC

INSULATION RESISTANCE: 1000Meg Ohms

CONTACT RESISTANCE: <100mili Ohms.

TEMPERATURE RANGE: -25°C to +70°C.

ELECTRICAL LIFE: 100,000 detent Operations.

DIELECTRIC STRENGTH: 750V RMS.

NO. OF POSITIONS: 8 and 0 (Stops available).

MATERIALS AND FINISHES

BODY WHEEL AND CAM: Engineering thermoplastics (Polycarbonate / ABS / Poly-acetal)

WIPER CONTACT: Hard Gold over nickel on copper alloy.

STATOR CONTACT: Hard Gold over nickel over copper on glass epoxy laminated sheet to Nema FR4.

HARDWARE: Steel cadmium / Zinc plated.

DETENT SPRING: Stainless steel wire.

SIZE OF CHARACTER: 8 and 10 positions, 4.5mm (Consult factory for non-Standard printing) on the wheel.