

K35 Series KEYBOARD TRACKERBALL

Specifications

Mechanical

Weight	80gms
Ball	Thermoset Phenolic or Polyester, 35mm, 1 ³ / ₈ "
Tracking Force	4gms Nominal continuous – no seal (IP40)
Ball Load	100N Maximum downward pressure (10Kg) @ 20°C
Ball Rotation	Continuous and reversible – any direction
Ball Speed	100 RPM maximum
Housing Material	ABS in cream
Transducers	Photo-optical encoders with LED's
Mounting Position	Horizontal to 30°

Electrical

Standard Output Connector	160mm Ribbon to 9 way Panduit CE 100F24-9 or AMP equivalent
Mating Connector	Panduit 9 way 2.54mm (0.1") header
Resolution	117 pulses per ball revolution (other options available on request)
External Switch Inputs	Optional built in 3 switches
Supply Voltage	5 V DC +/- 5%
Supply Current	Quadrature format 6ma typical

Environmental

Operating Temperature	0°C to +70°C
Storage Temperature	-25°C to +85°C
Humidity	30% min, 95% max, non-condensing
Vibration	5 G, 2-5Khz any plane
Shock	100Gs - duration 11ms
Lifetime	>5 million ball revolutions

Electrical Connections

Please refer to the option 'B' in the Product Ordering Code table.

Pin Number	0 Quadrature Output
1	+5 V
2	Switch C
3	Switch B
4	Y2
5	Switch A
6	Y1
7	X2
8	X1
9	0V