TW-25-IP65 Trackball

Trackball module for use with keyboards and control panels.

Description

Description:

The advantages of this 25mm Trackball for back-panel mounting are the small installation dimensions and the felt seal against the penetration of dust and humidity. This trackball is therefore particularly well suitable for the integration in keyboards, consoles or frontplates.

Features:

- The TW-25 features a phenolic ball with metal core, stainless steel shafts and bearings for a smooth and precise cursor control. The PTFE seal ring ensures an IP65 static sealing grade. The unit has been designed to be back of panel mounted as part of OEM keyboards and consoles with restricted mounting space.
- Precise cursor control
- For integration in keyboards, consoles and frontplates

Output-Cable PIN:

Pin	Quadrature Output
1	+5V DC
2	X2
3	X1
4	-
5	-
6	-
7	Y2
8	Y1
9	-
10	-
11	GND

Specification

Mechanical data

Dimensions:	48,2 x 47 x 27,35 mm
Degree of Protection:	IP65 (static)
Housing:	
Color:	black
Cable Length:	ca. 15 cm

Electric Data

Operating Voltage:	5 ± 0,25 V
Operating Current:	6 mA

Environment

Operating Temperature:	from 0 °C to + 55 °C
Storage Temperature:	from - 25 °C to + 80 °C
Humidity:	95% max, not condensing

Additional Information

Ball material:	Phenol
Ball colour:	black
Lifetime:	> 2 mio. ball revolutions
Tracking force:	50 g nominal
Mounting position:	max. 90° horizontal
Vibration:	5 Gs, 2-5KHz any direction
External switch inputs:	N/A
Transducers:	Photo-optical encoders with LED´s
Ball speed:	100 RPM max.
Ball rotation:	continuous and reversible - any direction

Order Information

Since this trackball possesses a quadrature output we recommend the use of the according controller (Cat.No.: CT-1002), if you wish to use the trackball with one of the standard mouse interfaces. Please contact us for further information.

Order No.	Article	
TW1098	TW-25-IP65-PS/2	interface PS/2
TW1107	TW-25-IP65-USB	interface USB
TW1103	TW-25-Edel	interface PS/2

Accessories

Order No.	Article

ZK1207	Zwischenkabel ZK-100mm zum Anschluß Quadr. Kontroller und bis 3 Taster	calbe 100mm for connection with controller
ZK1208	USB-1,8M-gerade	USB interface, 1,8m, stright