

Industry · Accessories · Trackballs / Touchpads

TW-25-IP65 Trackball

Trackball module for use with keyboards and control panels. IP65 static, IP54 dynamic



Artikel-Nr.	TW1107
Bezeichnung	TW-25-IP65-USB
Ausführung	USB, black
Varianten	2 Ausführungen

integratable

Mice

Trackballs

Back Panel Mounted

Quadratur

Product 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.

Pin (Quadrature Output)

1 (+5V DC)

2 (X2)

3 (X1)

4 (-)

5 (-)

6 (-)

7 (Y2)

8 (Y1)

9 (-)

10 (-)

11 (GND)

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
- IP65 static, IP54 dynamic

Technical data

Mechanical data

Dimensions	43 x 43 x 22,75 mm
------------	--------------------

Degree of Protection	IP65 (static)
----------------------	---------------

Color	black
-------	-------

Cable Length	ca. 15 cm
--------------	-----------

Electric Data

Interface	PS/2 or USB
-----------	-------------

Operating Voltage	5 ± 0,25 V
-------------------	------------

Operating Current	6 mA
-------------------	------

Environment

Operating Temperature	from - 10 °C to + 60 °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
---------------	---

Accessories



M16 Taster

ZT1304



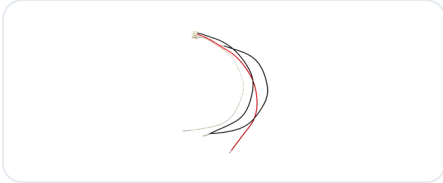
USB Anschlusskabel, TW-19-25

ZK1404



PS/2 Anschlusskabel, TW-19-25

ZK1405



Kabel zum Anschluss von 2 Tasten (L+R) an Trackball mit integriertem Controller

ZK1245

Order & get advice

Technical advice, samples and quantity pricing on request. Talk to us — we will configure the right version for your application.

+49 89.894399-0

sales@tastaturen.com

www.tastaturen.com

Subject to technical changes and errors. All information without guarantee. © 2026 GeBE Computer & Peripherie GmbH