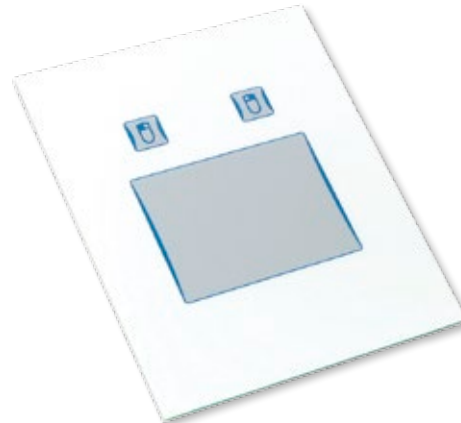




TKH-TB38b-MODUL with integrated 38-mm trackball (Front Mounting Version)

A01



TKH-TOUCHb-MODUL with integrated touchpad (Front Mounting Version)

A02



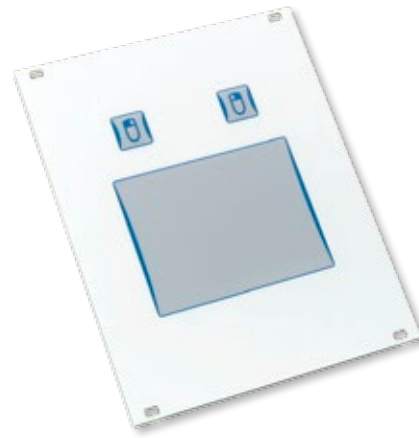
TKH-JSTb-MODUL with integrated joystick (Front Mounting Version)

A03



TKH-TB38b-FP with integrated 38-mm trackball (Rack Mounting Version)

A04



TKH-TOUCHb-FP with integrated Touchpad (Rack Mounting Version)

A05



TKH-TB50-AL-NAT-FP with integrated 50 mm trackball (Rack Mounting Version)

A06

Technical Data for Trackball, Touchpad & Joystick Version:

Switching Technology: Gold Plated domes
 Switching Force: 3.0 N
 Switch Travel: 0.6 mm
 Switching Cycles: Approx. 1 Mio. (per key)
 Trackball Lifetime: 3 Mio. Revolutions
 Mounting Type: FP: Front Panel with Mounting Boreholes for 19" Cassette-mounting
 MODUL: Front Panel with Threaded Bolts
 Front Panel Material: FR4 (Epoxy glass resin)
 Operating Temperature: 0 °C to +70 °C
 Storage Temperature: 0 °C to +80 °C

Technical Data for 50-mm Trackball Version

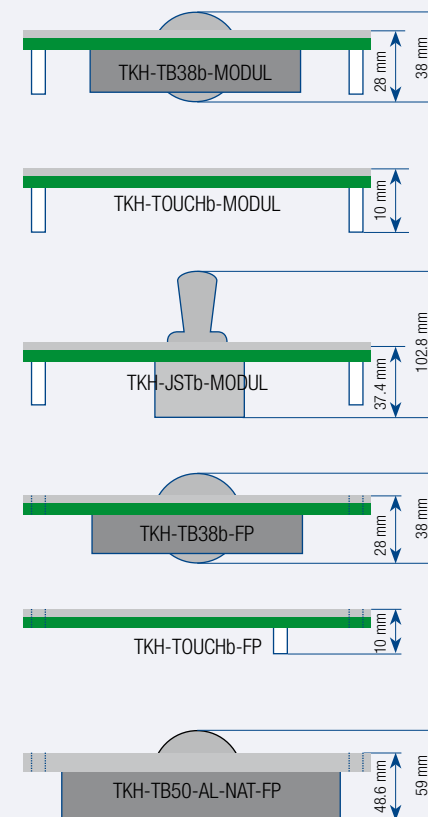
Switching Technology: Carbon Contact Technology
 Switching Force: 1.2 N
 Switch Travel: 1.2 mm
 Switching Cycles: Approx. 3 Mio. (per key)
 Trackball Lifetime: 3 Mio. Revolutions
 Mounting Type: Front Panel with Mounting Boreholes for 19" Cassette-mounting
 Front Panel Material: Aluminium
 Operating Temperature: 0 °C to +70 °C
 Storage Temperature: 0 °C to +80 °C

Pict.	Cat. No.	Product Description	Pointing Device	Protection Level	Dimensions (mm)	Weight
A01	KH02005	TKH-TB38b-MODUL-PS/2	Trackball, 38 mm	IP65 ¹	135 x 110 x 28	260 g
A01	KH02006	TKH-TB38b-MODUL-USB	Trackball, 38 mm	IP65 ¹	135 x 110 x 28	260 g
A02	KH02009	TKH-TOUCHb-MODUL-PS/2	Touchpad	IP65	135 x 110 x 10	150 g
A02	KH02010	TKH-TOUCHb-MODUL-USB	Touchpad	IP65	135 x 110 x 10	150 g
A03	KH16209	TKH-JSTb-MODUL-USB	Joystick	IP65	135 x 110 x 37.4	280 g
A04	KH02003	TKH-TB38b-FP-PS/2	Trackball, 38 mm	IP65 ¹	135 x 110 x 28	260 g
A04	KH02004	TKH-TB38b-FP-USB	Trackball, 38 mm	IP65 ¹	135 x 110 x 28	260 g
A05	KH02007	TKH-TOUCHb-FP-PS/2	Touchpad	IP65	135 x 110 x 10	150 g
A05	KH02008	TKH-TOUCHb-FP-USB	Touchpad	IP65	135 x 110 x 10	150 g
A06	KH06521	TKH-TB50-AL-NAT-FP-PS/2	Trackball, 50 mm	IP65	128.4 x 160.3 x 48.6	600 g
A06	KH09433	TKH-TB50-AL-NAT-FP-USB	Trackball, 50 mm	IP65	128.4 x 160.3 x 48.6	600 g

Other layouts, configurations and interfaces on request

¹ IP65 (static), IP54 (dynam.)

Side views (sketched representation):



Technical data of the integrated Touchpad

Operating Principle: Capacitive
 Resolution: 100-300 dpi
 Dimensions: 65 x 49 mm
 Active Surface: 59 x 42 mm