



## TKG-Series

### Attractive with Regard to Functionality and Design

Those keyboards are equipped with a robust front panel which is combined with a silicone switching mat that is positioned beneath. The keys of the silicone mat are inserted through precisely milled openings in the front panel. The electrical switching impulse is triggered by carbon pills on the bottom side of the silicone keys. When the key is pressed, the pill hits the contact meander of the gold-plated printed circuit board beneath. The models of this category are available as compact versions or as versions with an integrated trackball or touchpad.

Keyboards of the TKG series are particularly used in the following industrial sectors:

- Robust operation terminals
- Military engineering
- Control and observation stations
- POS/ booth construction
- Digital signage technology
- Indoor conveying systems

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**Version with Metal Housing – MGEH**

Those keyboards of the TKG Series are equipped with a solid and rugged metal housing. From the silicone keys which have been used here, a soft and almost noiseless keystroke is resulting. The keys are well perceptible for the user and are easy to use.



**Version for Front Panel Mounting – MODUL**

This front panel version is equipped with threaded bolts on the rear side for the easy installation into systems. Orientation is made easy by the variably coloured keys. The regular keypad is equipped with a numeric keypad-function.



**Front Mounted Panel Version in Silver-Look – SILVER**

This keyboard has been designed as an economically priced alternative to a stainless steel keyboard. Nevertheless, this keyboard is of comparable product quality. With their noble silver look, the models of the SILVER series offer robustness, input comfort and an appealing design.



Available as version with 38-mm trackball or touchpad



Available as version with 38-mm trackball or touchpad



Available as version with 38-mm trackball or touchpad

## Technical data:

Switching technology:	carbon contact technology	Front panel material:	aluminium
Switching force:	1.2 N	Operating temp.:	-25 °C to +70 °C <sup>1</sup>
Switch travel:	1.2 mm	Storage temp.:	-25 °C to +80 °C
Switching cycles:	approx. 3 Mio. (per key)		



Cat.No.	Product description	Pointing device <sup>1</sup>	Protection level <sup>2</sup>	Dimensions (mm)	Weight
<b>Metal Housing</b>					
KG15005	TKG-083b-MGEH-PS/2-US	none	IP65	345 x 165 x 35	1900 g
KG15007	TKG-083b-MGEH-USB-US	none	IP65	345 x 165 x 35	1900 g
KG14031	TKG-083b-TB38-MGEH-PS/2-US	Trackball <sup>3</sup> , 38 mm	IP65 <sup>2</sup>	435 x 165 x 45	2450 g
KG14033	TKG-083b-TB38-MGEH-USB-US	Trackball <sup>3</sup> , 38 mm	IP65 <sup>2</sup>	435 x 165 x 45	2450 g
KG14035	TKG-083b-TOUCH-MGEH-PS/2-US	Touchpad	IP65	435 x 165 x 35	2250 g
KG14037	TKG-083b-TOUCH-MGEH-USB-US	Touchpad	IP65	435 x 165 x 35	2250 g



<b>Front Mounting</b>					
KG14015	TKG-083b-MODUL-PS/2-US	none	IP65	305 x 134 x 20	500 g
KG14017	TKG-083b-MODUL-USB-US	none	IP65	305 x 134 x 20	500 g
KG14023	TKG-083b-TB38-MODUL-PS/2-US	Trackball <sup>3</sup> , 38 mm	IP65 <sup>2</sup>	405 x 135 x 25	650 g
KG14025	TKG-083b-TB38-MODUL-USB-US	Trackball <sup>3</sup> , 38 mm	IP65 <sup>2</sup>	405 x 135 x 25	650 g
KG14027	TKG-083b-TOUCH-MODUL-PS/2-US	Touchpad	IP65	405 x 135 x 20	600 g
KG14029	TKG-083b-TOUCH-MODUL-USB-US	Touchpad	IP65	405 x 135 x 20	600 g
KG00201	TKG-083-MODUL-SILVER-PS/2-US	none	IP65	305 x 134 x 20	500 g
KG00203	TKG-083-MODUL-SILVER-USB-US	none	IP65	305 x 134 x 20	500 g
KG00205	TKG-083-TB38-MODUL-SILVER-PS/2-US	Trackball <sup>3</sup> , 38 mm	IP65 <sup>2</sup>	405 x 135 x 25	650 g
KG00207	TKG-083-TB38-MODUL-SILVER-USB-US	Trackball <sup>3</sup> , 38 mm	IP65 <sup>2</sup>	405 x 135 x 25	650 g
KG00209	TKG-083-TOUCH-MODUL-SILVER-PS/2-US	Touchpad	IP65	405 x 135 x 20	600 g
KG00211	TKG-083-TOUCH-MODUL-SILVER-USB-US	Touchpad	IP65	405 x 135 x 20	600 g

Other layouts, configurations and interfaces on request

<sup>1</sup> Keyboards with pointing device: 0 °C to +70 °C

<sup>2</sup> IP65 (front), IP54 (dynam.)

<sup>3</sup> Stainless steel trackball



## Other industrial keyboards:

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## Operating Terminal in Aerospace Exhibition

Used in multi-user-terminals, the keyboard provides access to interactive presentations. In a virtual spaceship, the user can rapidly set his course for the different planets, perform adventurous landing manoeuvres or get information about the celestial bodies he is about to head for.