

Frontpanel

KFT-104/105-with Trackball



Features	<p>The KFT keyboard with integrated trackball is especially suited for rough applications in harsh industrial environment and for medical applications.</p> <p>The keyboard is protected against water and dust according to protection class IP65 and also resists shock and vibrations impacts. The trackball ist protected to IP65 static and IP54 dynamic.</p> <p>The keyboard mechanism is based on short-travel keys (Omron) and provides a very pleasant tactile feedback. The lifetime of the keys are > 1 million operations.</p>
Startup	<p>Connection to the computer is made via the USB-plug of the hard-wired cable. The signals from the trackball and the keyboard are fed out via the USB plug. Versions with PS/2 interface are connected via a separate plug to the computer.</p>
Trackball	<p>The mechanical trackball is utilized for mouse control and compatible with all standard Windows drivers and MAC OS.</p>
Installation	<p>The keyboard is ready for use and can be integrated and put into operation immediately.</p>

Care instructions	Preparation
	Save your entries and close all programs. If keyboard and mouse are connected via USB, plug them off or shut down the computer. If the keyboard or mouse remains connected, it is recommended to turn off the computer. After cleaning, reconnect the devices and restart the computer if necessary.
	Cleaning
	Spray some liquid on a cloth, sponge, soft brush or directly on the surface of the keyboard. Wipe the surface of the device.
	Tips
	<ul style="list-style-type: none"> • Do not use petroleum-based cleaning agents such as petrol, turpentine or oil • No acetone • No cleaning agents with more than 10 % chloride • No temperature sterilization • No use of cleaning pads or other abrasive sponges or cloths
	Recommended cleaning fluids
	<ul style="list-style-type: none"> • Household chlorid (sodium hypochlorite); 10% chloride, 90% water • Isopropanol based detergents 3.5% isopropanol, 0.5% propylene glycol, 96% inactive ingredients • Pure alcohol (100%) • CIDEX OPA solution (0.55% orthophthalaldehyde) • Antibacterial soap and warm water

BEDIENUNGSANLEITUNG OPERATING INSTRUCTIONS

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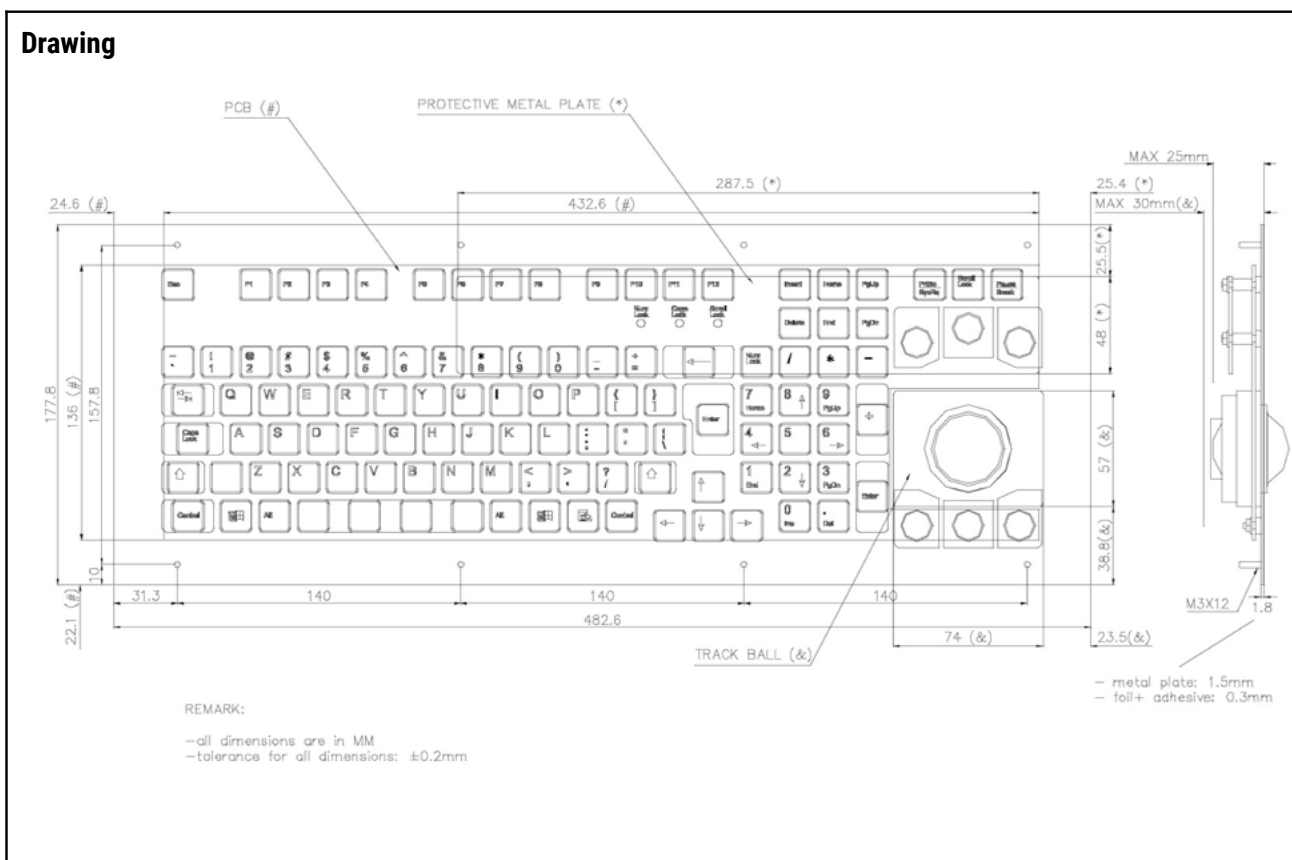
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Technical data												
Mechanics	Enclosure:	Frontpanel										
	Enclosure material:	Polystyrol (HIPS)										
	Protection class:	IP65 (trackball static, IP54 dynamic)										
	Dimension:	482.6 x 177.8 x 42.5 mm										
	Cable length:	180 cm										
	Weight:	1.49 kg										
	Keys	Key technology:	OMRON Short travel key									
Keyboard layout:		German, US, US-cyrillic, French										
Number of keys:		104/105										
Operation force:		2.55 N										
Key travel:		0.3 mm										
Method of lettering:		Screen printing										
Electrical data	Connection:	USB										
	Pin assignment:	<table border="1"> <thead> <tr> <th>Signal</th> <th>USB-Anschlusskabel</th> </tr> </thead> <tbody> <tr> <td>Vcc</td> <td>1</td> </tr> <tr> <td>USB_DM</td> <td>2</td> </tr> <tr> <td>USB_DP</td> <td>3</td> </tr> <tr> <td>GND</td> <td>4</td> </tr> </tbody> </table>	Signal	USB-Anschlusskabel	Vcc	1	USB_DM	2	USB_DP	3	GND	4
		Signal	USB-Anschlusskabel									
		Vcc	1									
		USB_DM	2									
USB_DP	3											
GND	4											
Operating voltage:	5 V											
Current consumption:	4 mA											
Environment	Operating temperature:	From 0°C to +60°C										
	Storage temperature:	From -20°C to +65°C										
Lifetime	Switching cycles	Ca. 1 million operations										

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Interface	Item no.	Description	Layout, Interface
USB interface	KF1396	KFT-105-FT-USB-Ger	German, USB
	KF1397	KFT-104-FT-USB-US	US, USB
	KF2401	KFT-104-FT-USB-US-Kyr	US-kyrillic, USB
	KF2425	KFT-105-FT-USB-Fr	France, USB
PS/2 interface	KF1243	KFT-105-FT-PS/2-Ger	German, PS/2
	KF1244	KFT-104-FT-PS/2-US	US, PS/2
	KF1358	KFT-105-FT-PS/2-Fr	France, PS/2
	KF1286	KFT-104-FT-PS/2-US-Kyr	US-kyrillic, PS/2

Further country layouts and customized modifications are available on request