



KSM103F1



KSM103S1

COMPACT LED BACKLIT KEYBOARD

- 103 keys, short travel
- no pointing device
- IP67 sealing

This 103 key backlit keyboard has a multi-functional layout with separate numerical- and control keypads.

MAIN FEATURES

- User-friendly layout with separate numerical-, control- and function keypads
- High brightness LED's with fibre optics
- Illumination of the key legends and contour
- Low power LED's warrant for a long life
- No external power supply necessary, keyboard port power sufficient
- Dimmable backlighting at 8 levels by two dedicated keys
- Intelligent luminosity setting of "numlock" and capslock" LED's
- White backlighting as standard, other colours on request
- Customized backlight control by an external DC voltage, PWM signal or potentiometer is available on request

Panel mount version with bezel for edge protection

- Aluminium carrier
- Front panel mounting by means of M3 threaded studs.
- Added silicon sponge seal for perfect sealing into the user's panel
- The rear side components are protected by a covering metal plate
- Dimensions / weight : 358,7 x 165,8 x 28 mm / 1,1 kg

Desktop version

- High Impact Polystyrene enclosure
- Dimensions / weight : 370 x 175 x 31,7 mm / 1,3 kg

GENERAL TECHNICAL SPECIFICATIONS

Sealing	: IP67 sealed
Keys	: 103 short travel switches, tactile feel switches with 0,3 mm travel and 2,55 N operating force
Output	: 1,6 m shielded USB cable
Power requirements	: Directly from USB port
Operating temp.	: -15°C to +60°C
Front layer	: Black polyester front layer with embossed keys, scratch and chemical resistant

CONNECTIVITY

The PS/2 keyboards are supplied with a 1,6 m long shielded straight cable ended with 6 pin mini DIN plugs. The USB versions are supplied with a 1,6m long shielded straight cable ended by a USB type A connector.

** Due to the increasing differences of PS/2 mouse port specifications of the various PC manufacturers, we do recommend that this unit should be tested on the final PC configuration and operating system prior to installing it in series.*

COMBINATION

The KSM103B1 keyboard is specially designed to be used in combination with the NSI standard trackball TBX50B1



ORDER INFO

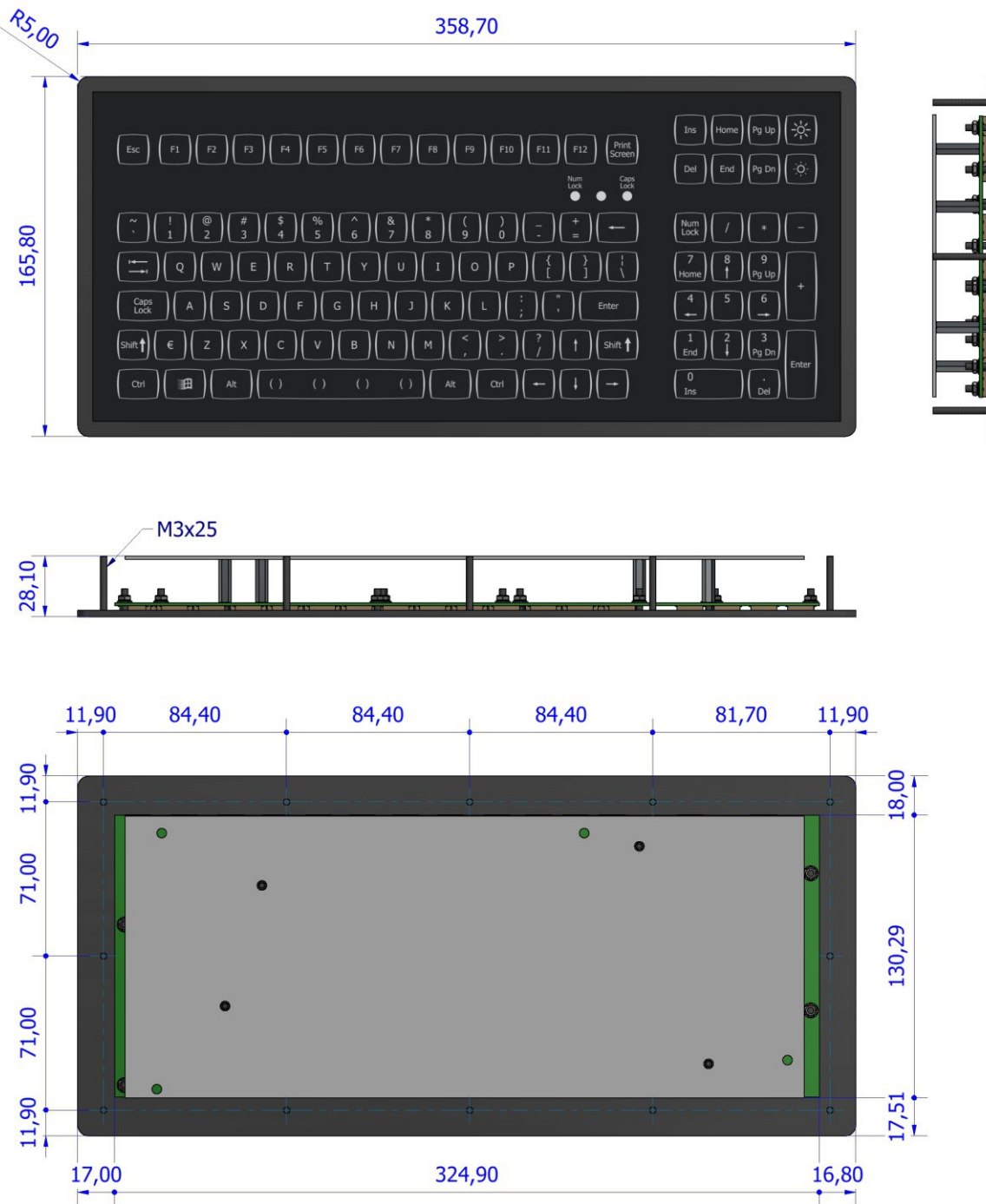
COUNTRY LAYOUT	PANEL MOUNT	DESKTOP
US Qwerty	KSM103B1xxx-WLED	KSM103S1xxx-WLED
Cyrillic Russian Qwerty	KSM103B7xxx-WLED	KSM103S7xxx-WLED
French Azerty	KSM103B33xxx-WLED	KSM103S33xxx-WLED
UK United Kingdom	KSM103B44xxx-WLED	KSM103S44xxx-WLED
Danish Qwerty	KSM103B45xxx-WLED	KSM103S45xxx-WLED
Swedish Qwerty	KSM103B46xxx-WLED	KSM103S46xxx-WLED
German Qwertz	KSM103B49xxx-WLED	KSM103S49xxx-WLED
Korean Qwerty	KSM103B82xxx-WLED	KSM103S82xxx-WLED
Turkish Qwerty	KSM103B90xxx-WLED	KSM103S90xxx-WLED

xxx = protocol output :
USB or PS/2

White backlighting as standard,
other colours on request

DIMENSIONAL DRAWING

panel mount version



dim in mm.

COLOURS

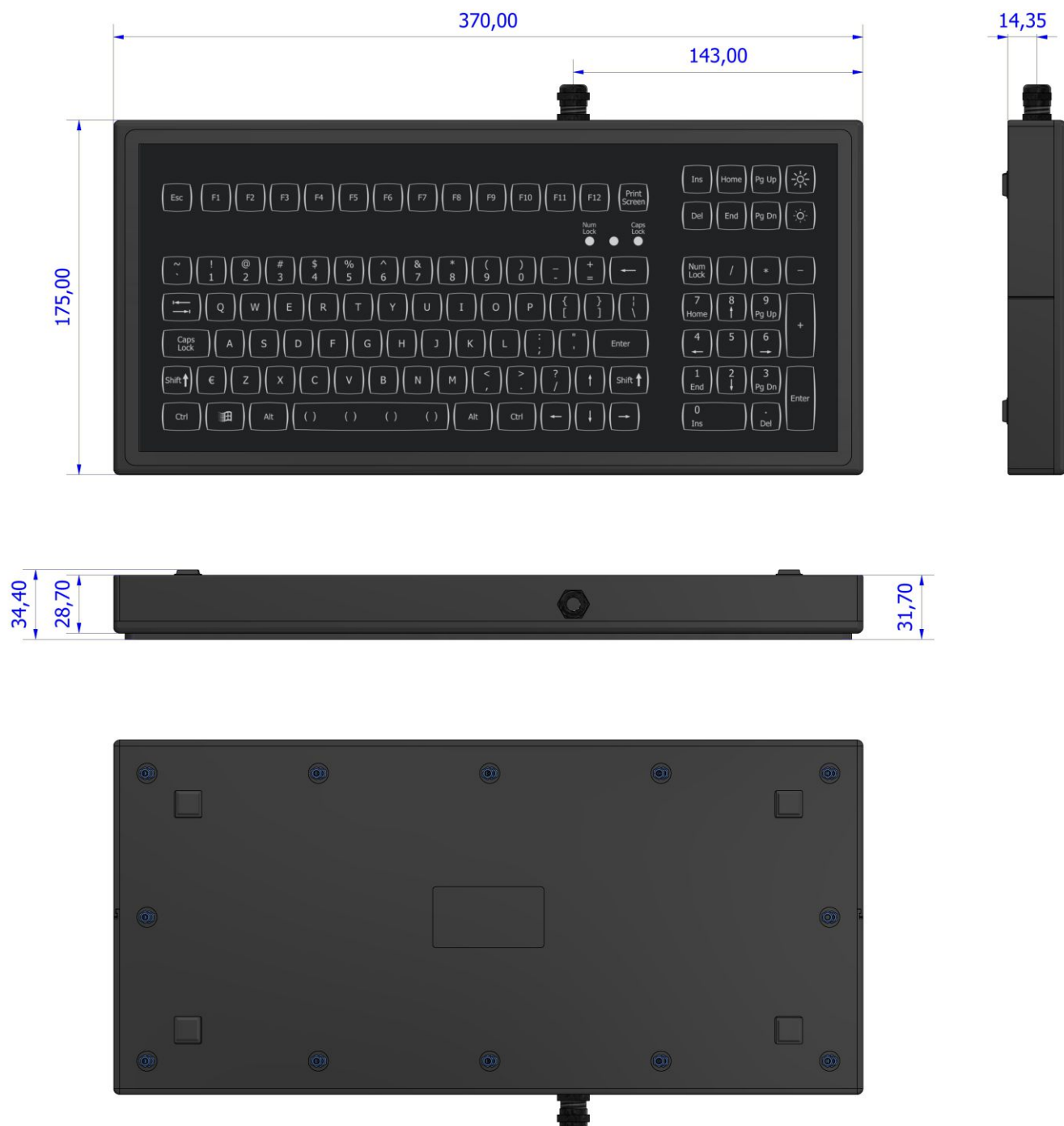
Keyboard & Key Background : PANTONE Black 2 C 2X

Key edges & key legends : white Translucent

The company reserves the right to alter without prior knowledge the specification or design of any standard product or service.

DIMENSIONAL DRAWING

Desktop version



dim in mm.

COLOURS

Keyboard & Key Background : PANTONE Black 2 C 2X

Key edges & key legends : white Translucent

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