

# DS 86 W

## *The compact keyboard*

- *for measurements*
- *machine constructions*
- *and many more*



DS 86 W  
HL

### **Description:**

- The DS 86 W HL is the optimal solution for all narrow surroundings.
- External pointing devices like mouse or track ball are no longer necessary, because the keyboard unites all functions.
- Suitable for darkness and all bad illuminated areas, by the backlighting of the switch symbols which are dimmable .
- To build in or for the extern work with small machines or devices in the vehicle installations the navigation systems or aeronautics.
- The compact design and the very low outside measurements predestine this keyboard for many areas.

### **Features:**

- All electronic components and mechanical guides are protected against ingress of dust and water spray (protection IP 65).
- The 1,5 mm key travel and tactile feel ensures positive key operation.
- Ergonomically designed compact shape.
- High quality laser marked key top legends.
- Backlight with LED technology.
- LED-indicators for display of standardize operation mode.
- Integrated mouse function.
- Predestined for the work at machine- and device construction, vehicle installations, aeronautics and navigation systems.

### **Order number for example:**

**notation:** DS 86 W G USB MR BL HL5LED

**article number:** 98001023110150000HD5

More information to each variant and their order numbers, see our web-site at

[www.dskeyboard.com](http://www.dskeyboard.com)

### Mechanical Data:

- Travel 1,5 mm, tactile feel
- Operation force 0,60 N
- 86 buttons, compact layout
- Durability > 1 million ops.
- Storage temperature -40C° - +80C°
- Operation temperature -10C° - +60C°
- Protection IP65

### Layouts:

- All country variants are possible.

### Variants:

- Custom-designed variants are possible. (see our web-site)

### Connecting-Variants:

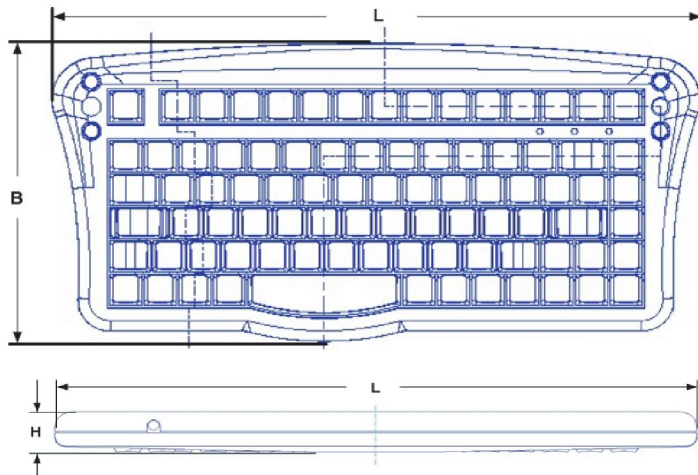
- DIN, PS/2, USB
- Cable straight or spiral-shaped
- Cable length 1,5 m
- Other length are possible

### Detail views:

- Ergonomic, compact illuminated button arrangement on the smallest area.



### Dimensions:



L = 298,00mm  
B = 141,81mm  
H = 21,90mm

More information about the measurements can be downloaded from our web-site.

### Electrical Data:

- Power supply + 5 V, 400mA max.
- 3 LED status reading
- CE-conformable
- EMC-conformable
- RoHS-conformable

### Principle:

- Bonding by a shifting gear mat on a carbon contact on the SMD-assembled PCB.

### Use Possibilities:

- Extreme damp (even splash water) surroundings
  - Very dusty surroundings
  - Measurement systems
  - Machine- and device construction
  - Vehicle installations
  - Aeronautics
  - Navigation Systems
  - and any more
- 
- Dimmable about the dimm- and the up or down button
  - Integrated fingermouse
  - Very compact, flat style



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**DS Keyboard  
Technic GmbH**

Herrenlandstr. 31-35  
78315 Radolfzell

**Tel.:**  
+49 (0) 7732-82385-0

**Fax:**  
+49 (0) 7732-82385-29

**Mail:**  
info@dskeyboard.com

**Internet:**  
www.dskeyboard.com