

# W90

## *The freely programmable keyboard with 90 buttons*

- *for trade, craft, industry, multimedia*
- *in very damp, dusty, hot surroundings*
- *where own functions are necessary*



W90  
standard  
grey

### **Description:**

- The W90 keyboard is a freely programmable keyboard with 90 buttons at which every single button can be programmed with special functions. (Programm can be downloaded from our web site).
- About this feature the W90 is particular suitable for use at register systems, in the food industry or many other areas in the trade, the industry, or the multimedia area.
- The keyboard is well proven also for use in harsh industrial environments.
- Full dust and splash proofing combined with extreme scratch resistance are the characteristics of this keyboard.

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

**notation:** W90 PS2 spiral  
**article number:** 11590201A1500A900

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

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

### **Features:**

- Complete protection of the electronic components, all contacts and mechanic guide elements against dust and water splashes (protection IP65).
- Convenient and positive operation due to the 3.25 mm travel keys with tactile feel.
- All buttons totally and freely programmable. All buttons can be programmed with data strings up to 16 (optionally: up to 32) digits.
- Programmable at 4 levels (occupancy of every button with freely selectable buttons).
- The button symbols are self printed (protected with transparent caps) or of us laser engraved on request.
- Button layout free selectable (1x1, 2x1, 2x2).
- The enclosure has been made in a matching design to our DS 102 W standard keyboard, thus it can be ideally added as an additional keyboard.

### Mechanical Data:

- Travel 3,25 mm, tactile feel
- Operation force 0,65 N
- 90 buttons, compact layout
- Durability > 10 million ops.
- Storage temperature -40°C - +70°C
- Operation temperature 0°C - +60°C (optimal -20°C - +60°C)
- Protection IP65

### Layouts:

- All individual variants are possible.

### Variants:

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

### Connecting-Variants:

- DIN, PS/2, USB, SubD9 (serial)
- Cable straight or spiral-shaped
- Cable length 1,5 m
- Other length are possible

### Detail Views:

- Matrix button arrangement.



### Electrical Data:

- Power supply + 5 V/DC, max.30 mA
- Bidirectional serial output in IBM format PS/2 / DIN
- 2 - key roll over
- 16 k EEPROM memory
- CE-conformable
- EMC-conformable
- RoHS-conformable

### Principle:

- Contact by a silicon switch pad with carbon contacts.

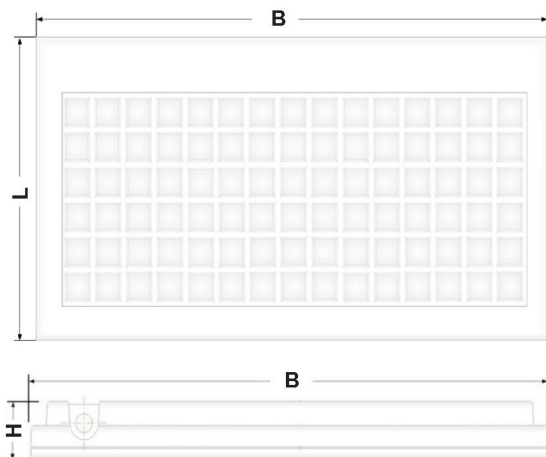
### Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Very hot surroundings
- Extreme industrial surroundings
- Test- and Measurement systems
- Machine- and device construction
- Trade, craft, industry, food industry
- and any more

- Very compact, flat style
- Pull up the cable is almost impossible about the PG7 cable gland



### Dimensions:



L = 185,00mm  
B = 323,70mm  
H = 39,30mm

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