

DS 102 W

The dust and splashproof evolution

- *for extreme damp surroundings*
- *very dusty surroundings*
- *very hot surroundings*



DS 102 W drawer

Description:

- The DS 102 W drawer can be integrated into a 19 inch framework. The high unit amounts only 1 HU and is therefore a very special space-saving variant.
- In the drawer can be all our DS 102 W keyboards with all its features integrated, also the HL version with back-light buttons.
- Also can be integrated a keyboard with finger mouse, so that external pointing devices like mouse or track ball are not necessary.
- The keyboard is well proven 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: DS 102 W M US M PS2-SubD9
article number: 10508611A1008SA00

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

www.dskeyboard.com

Features:

- Complete protection of the electronic components, all contacts and mechanic guide elements against dust and water splashes (protection IP65).
- Drawer with excellent sliding action, 3 lock in positions 0° - 15° - 30°, fixed locking in end position.
- Recessed grip and frontplate are in nature eloxal quality.
- Designed for industrial use even under some of the most hostile environments.
- Ergonomically designed compact shape.
- Convenient and positive operation due to the 3.25 mm travel keys with tactile feel.
- Double-shot moulded key tops, anti-glare and wear-resistant.
- LED-indicators for display of standardize operation modes.

Mechanical Data:

- Travel 3,25 mm, tactile feel
- Operation force 0,65 N
- 102 buttons, compact layout
- Total height 30 mm at row there
- 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 country variants are possible.

Variants:

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

Connecting-Variants:

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

Detail Views:

- Ergonomic, compact button arrangement on the smallest area.



Electrical Data:

- Power supply + 5 V/DC, 30mA (440 HL)
- Bidirectional serial output in IBM format
- 2-key-roll-over
- Autorepeat
- CE-conformable
- EMC-conformable
- RoHS-conformable

Principle:

- Contact by a silicon switch pad with carbon contacts.

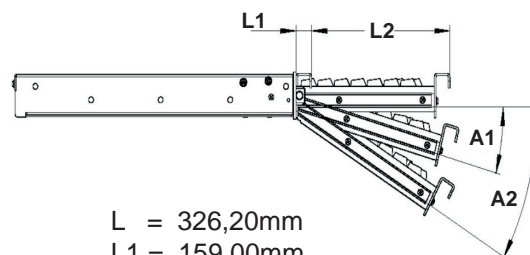
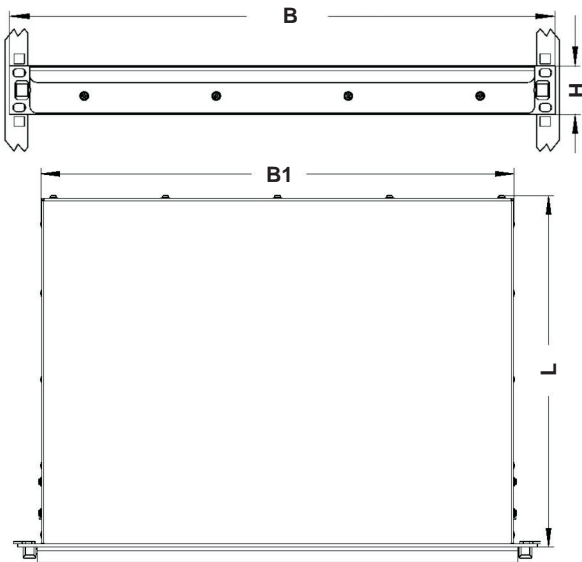
Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Very hot surroundings
- Extreme industrial surroundings
- Military vehicle installations
- Aeronautics
- Navigation Systems
- and any more

- Very compact, flat style
- Qualitatively excellent processing



Dimensions:



- L = 326,20mm
- L1 = 159,00mm
- L2 = 16,00mm
- B = 482,60mm (19")
- B1 = 439,40mm
- H = 40,40mm
- A1 = 15°
- A2 = 30°

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



DS KEYBOARD
TECHNIC GMBH

DS 102 W
drawer

DS Keyboard
Technic GmbH

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DS 102 W

The dust and splashproof evolution

- *for extreme damp surroundings*
- *very dusty surroundings*
- *very hot surroundings*



DS 102 W
mouse
grey

Description:

- Simplistic design merged with functionality makes this keyboard to a kit of the top class.
- The keyboard is well proven for use in harsh industrial environments.
- Full dust and splash proofing combined with extreme scratch resistance are the characteristics of this keyboard.
- Integrated finger mouse. External pointing devices like mouse or track ball are not necessary.
- About the small space requirement due the compact design is this keyboard also ideally suited for 19" rack mounted drawer unites.

Features:

- Complete protection of the electronic components, all contacts and mechanic guide elements against dust and water splashes (protection IP65).
- Designed for industrial use even under some of the most hostile environments.
- Ergonomically designed compact shape.
- Convenient and positive operation due to the 3.25 mm travel keys with tactile feel.
- Ergonomically designed keyboard with 102 keys.
- Double-shot moulded key tops, anti-glare and wear-resistant.
- Button for the mouse pointer (finger-mouse) and 3 more mouse buttons.
- LED-indicators for display of standardize operation modes.

Order number for example:

notation: DS 102 W M US PS2-PS2
article number: 10508211A1500AA00

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

www.dskeyboard.com

**DS Keyboard
Technic GmbH**

**Development
Production
Distribution**

- keyboards
- input modules and switches
- control units and panels
- electronic modules

Mechanical Data:

- Travel 3,25 mm, tactile feel
- Operation force 0,65 N
- 102 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 country variants are possible.

Variants:

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

Connecting-Variants:

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

Detail Views:

- Ergonomic key arrangement with integrated fingermouse.



Electrical Data:

- Power3 supply + 5 V/DC, max.30 mA
- Bidirectional serial output in IBM format
- 2-key-roll-over
- Autorepeat
- CE-conformable
- EMC-conformable
- RoHS-conformable

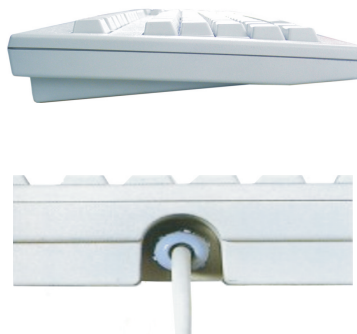
Principle:

- Contact by a silicon switch pad with carbon contacts.

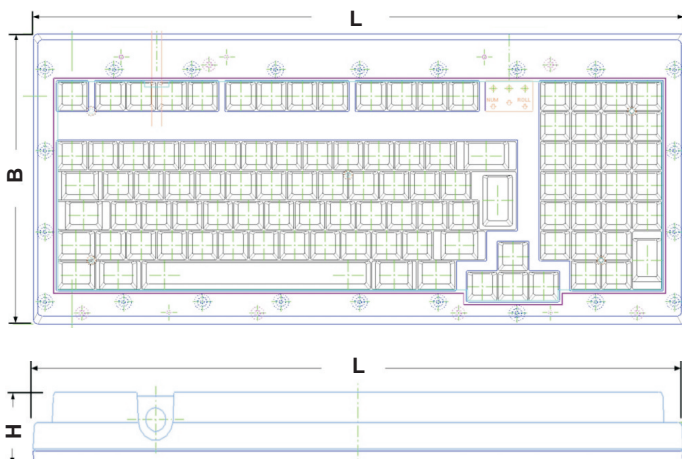
Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Very hot surroundings
- Extreme industrial surroundings
- Vehicle installations
- Aeronautics
- Navigation Systems
- and any more

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



Dimensions:



L = 405,00mm
B = 185,00mm
H = 40,40mm
H1 = 42,20mm

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

DS 102 W mouse grey

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DS 102 W

The dust and splashproof evolution

- *for extreme damp surroundings*
- *very dusty surroundings*
- *very hot surroundings*



DS 102 W
standard
grey



Description:

- Simplistic design merged with functionality makes this keyboard to a kit of the top class.
- The keyboard is well proven for use in harsh industrial environments.
- Full dust and splash proofing combined with extreme scratch resistance are the characteristics of this keyboard.
- About the small space requirement due the compact design is this keyboard also ideally suited for 19" rack mounted drawer unites.

Order number for example:

notation: DS 102 W US PS2
article number: 10508201A1500AA00

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

www.dskeyboard.com

Features:

- Complete protection of the electronic components, all contacts and mechanic guide elements against dust and water splashes (protection IP65).
- Designed for industrial use even under some of the most hostile environments.
- Ergonomically designed compact shape.
- Convenient and positive operation due to the 3.25 mm travel keys with tactile feel.
- Ergonomically designed keyboard with 102 keys.
- Double-shot moulded key tops, anti-glare and wear-resistant.
- LED-indicators for display of standardize operation modes.

**DS Keyboard
Technic GmbH**

**Development
Production
Distribution**

- keyboards
- input modules and switches
- control units and panels
- electronic modules

Mechanical Data:

- Travel 3,25 mm, tactile feel
- Operation force 0,65 N
- 102 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 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 key arrangement for relaxed work.



Electrical Data:

- Power3 supply + 5 V/DC, max.30 mA
- Bidirectional serial output in IBM format
- 2-key-roll-over
- Autorepeat
- CE-conformable
- EMC-conformable
- RoHS-conformable

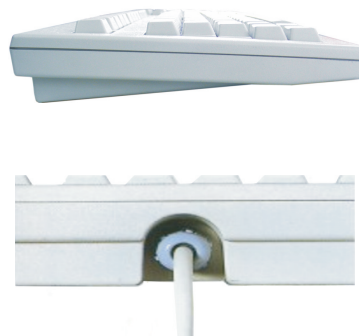
Principle:

- Contact by a silicon switch pad with carbon contacts.

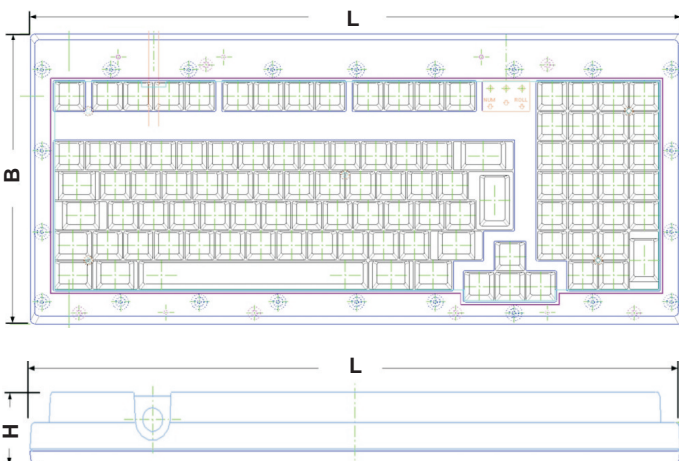
Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Very hot surroundings
- Extreme industrial surroundings
- Vehicle installations
- Aeronautics
- Navigation Systems
- and any more

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



Dimensions:



L = 405,00mm
B = 185,00mm
H = 40,40mm
H1 = 42,20mm

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

DS 102 W standard grey

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DS 104 W

The dust and splashproof evolution

- *for all office surroundings*
- *where is danger by dampness*
- *and/or danger by scratching*

DS 104 W
black



Description:

- Straightforward, clear design combined with pure functionality results in a highly efficient keyboard at the top of its class.
- The DS104 W is a premium choice for use in all office environments. At the same time it is dust and splash proof as well as scratch resistant, which makes it suitable for harsh environment.
- Small footprint allows for a wide range of uses from office desks to retail terminals, dust and splash proof design ensures highest reliability even in environments with a high risk of spilling like coffee or liquids.

Features:

- All electronic components like contacts and key guides are sealed and protected against dust and liquids to the IP65 standard.
- Fully compatible with Windows operating systems including menu keys for seamless integration into existing workflows even in harsh environments where regular keyboards fail.
- Ergonomically designed compact shape.
- Full travel (3.25 mm) keys with excellent tactile feel for convenient, fast and safe data entry.
- LED indicators to display status of standard operating modes.

Order number for example:

notation: DS 104 W G PS2
article number: 0800702301A1500AA00

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

www.dskeyboard.com

DS Keyboard
Technic GmbH

Development
Production
Distribution

- keyboards
- input modules and switches
- control units and panels
- electronic modules

Mechanical Data:

- Travel 3,25 mm, tactile feel
- Operation force 0,65 N
- 104 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 country variants are possible.

Variants:

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

Connecting-Variants:

- PS/2, USB
- Cable straight
- Cable length 1,5 m

Detail Views:

- Ergonomic key arrangement with windows and menu keys for relaxed work.



Electrical Data:

- Power supply + 5 V/DC, max.30 mA
- 2-key-roll-over
- Autorepeat
- CE-conformable
- EMC-conformable
- RoHS-conformable

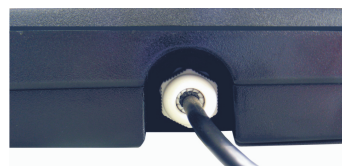
Principle:

- Contact by a silicon switch pad with carbon contacts.

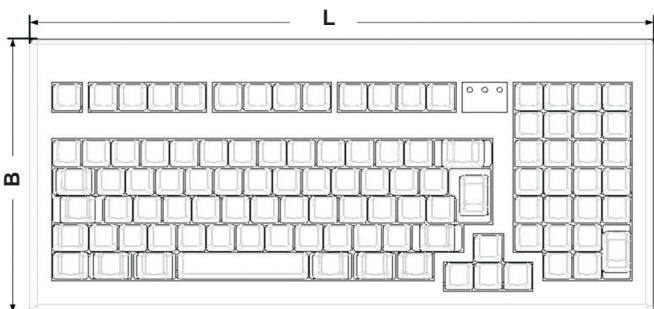
Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Extreme office/industrial surroundings
- Vehicle installations
- Aeronautics
- Navigation Systems
- and any more

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



Dimensions:



L = 405,00mm
B = 185,00mm
H = 40,40mm
H1 = 42,20mm

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

DS 104 W standard black

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DS24TW HL

*Freely programmable keyboard
with luminescent symbols*

- *for darkly narrow surroundings*
- *test- and measurement systems*
- *and many more*



DS24TW HL

standard
black

Description:

- In principle a freely programmable keyboard with 24 buttons in different layouts and from inside illuminated button symbols.
- Table version in a black enclosure with very low outside measurements, soft-touch lacquered, to build in or for the extern work with small machines or devices.
- The optimal solution for all narrow and bad illuminated surroundings.
- Explicitly operation also in extrem weather conditions possible.
- Especially suitable for darkly narrow industrial extreme surroundings.

Features:

- All electronic components and mechanical guides are protected against ingress of dust and water spray (protection IP 65).
- Convenient and positive operation due to the 2 mm travel keys with tactile feel.
- All buttons are freely programmable or in standard layouts available.
- Symbols in laser procedure, illumination in different colors possible.
- PCB with electronic components.
- Carbon contact-technology.
- Predestined for the work in all darkly narrow surroundings or machines and devices which have also to work in extreme damp (even splash water) or very dusty surroundings, and many more.

Order number for example:

notation: DS24TW HL2 V3 USB
article number: 05013V33010150000HL2

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

www.dskeyboard.com



DS KEYBOARD
TECHNIC GMBH

**DS Keyboard
Technic GmbH**

Development
Production
Distribution

- keyboards
- input modules and switches
- control units and panels
- electronic modules

Mechanical Data:

- Travel 2mm, with 0,25mm overtravel
- Operation force 0,65 N
- 24 buttons, compact layout
- Durability > 10 million ops.
- Storage temperature -40°C - +80°C
- Operation temperature 0°C - +60°C (optional -20°C - +60°C)
- Protection IP65

Layouts:

- All variants are possible.

Variants:

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

Connecting-Variants:

- 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.



Electrical Data:

- Contact load + 5V / 80 mA max
- 2-key rollover
- Autorepeat
- CE-conformable
- EMC-conformable
- RoHS-conformable

Principle:

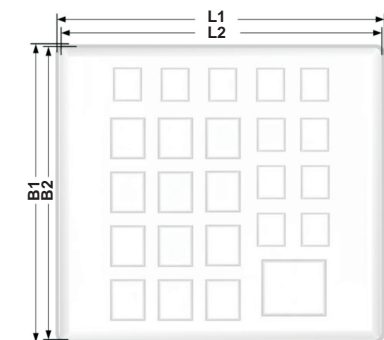
- Contact by a silicon switch pad with carbon contacts.

Use Possibilities:

- Extreme damp (even splash water) surroundings
 - Very dusty surroundings
 - Measurement systems
 - Machine- and device construction
 - Vehicle installations
 - Aeronautics
 - Navigation Systems
 - and any more
-
- Very compact, flat style
 - Qualitatively excellent processing



Dimensions:



L1 = 122,20mm
L2 = 120,00mm

B1 = 107,10mm
B2 = 105,10mm

H1 = 20,00mm
H2 = 17,50mm

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

DS24TW HL

standard
black

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DS 86 W

The compact keyboard

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

DS 86 W
standard
black



Description:

- The DS 86 W standard 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.
- 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.

Order number for example:

notation: DS 86 W US MR BL PS2 - PS2
article number: 980010821101500000

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

www.dskeyboard.com

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.
- LED-indicators for display of standardize operation modes.
- Integrated mouse function, choose able left or right.
- Predestined for the work at machine- and device construction, vehicle installations, aeronautics and navigation systems.

DS Keyboard
Technic GmbH

Development
Production
Distribution

- keyboards
- input modules and switches
- control units and panels
- electronic modules

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 button arrangement on the smallest area.



Electrical Data:

- Power supply + 5 V, 30 mA
- 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.

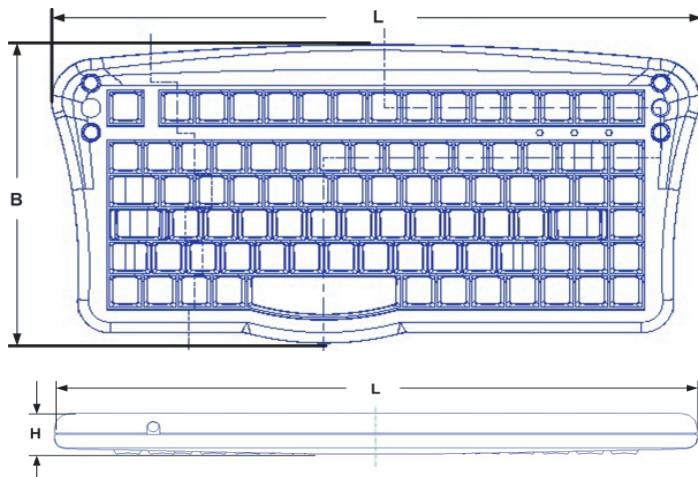
Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Measurement systems
- Machine- and device construction
- Vehicle installations
- Aeronautics
- Navigation Systems
- and any more

- Integrated fingermouse
- Very compact, flat style



Dimensions:



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

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

DS 86 W standard black

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W30

The freely programmable keyboard with 30 buttons



W30
standard
black

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



Description:

- The W30 keyboard is a freely programmable keyboard with 30 buttons at which every single button can be programmed with special functions, (Program can be downloaded from our web site).
- About this feature the W30 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.

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.

Order number for example:

notation: W30 ser SubD9-PS2 BL
article number: 11530E0101500000

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

www.dskeyboard.com

**DS Keyboard
Technic GmbH**

**Development
Production
Distribution**

- keyboards
- input modules and switches
- control units and panels
- electronic modules

Mechanical Data:

- Travel 3,25 mm, tactile feel
- Operation force 0,65 N
- 30 buttons, compact layout
- Durability > 10 million ops.
- Storage temperature -40°C - +70°C
- Operation temperature 0°C - +60°C (optinal -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:

- Power3 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.

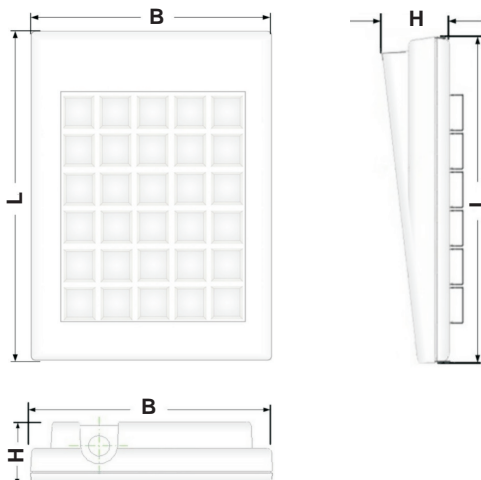
Use Possibilities:

- 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 = 133,20mm
H = 39,30mm

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

W60

The freely programmable keyboard with 60 buttons



W60
standard
black

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



Description:

- The W60 keyboard is a freely programmable keyboard with 60 buttons at which every single button can be programmed with special functions, (Program can be downloaded from our web site).
- About this feature the W60 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.

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.

Order number for example:

notation: W60 PS2 BL spiral
article number: 11560201015000000

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

www.dskeyboard.com

**DS Keyboard
Technic GmbH**

**Development
Production
Distribution**

- keyboards
- input modules and switches
- control units and panels
- electronic modules

Mechanical Data:

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

Layouts:

- All individual variants are possible.

Variants:

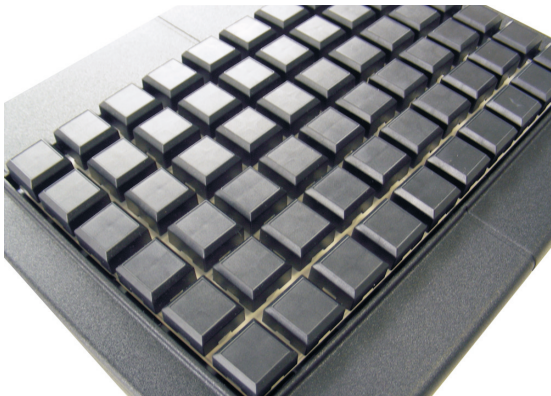
- Custom-designed variants are possible. (see our web-site)

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:

- Power3 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.

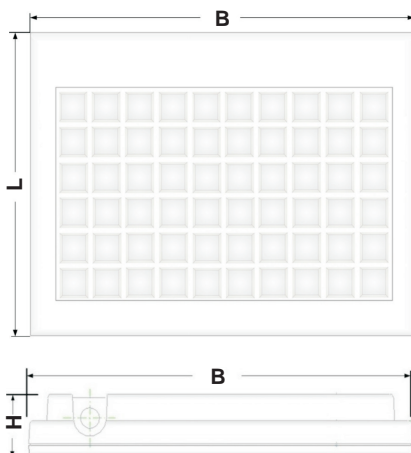
Use Possibilities:

- 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 = 228,40mm
H = 39,30mm

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

W90

The freely programmable keyboard with 90 buttons



W90
standard
black

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



Description:

- The W90 keyboard is a freely programmable keyboard with 90 buttons at which every single button can be programmed with special functions, (Program 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.

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.

Order number for example:

notation: W90 PS2 BL spiral
article number: 11590201A1500000

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

www.dskeyboard.com

**DS Keyboard
Technic GmbH**

**Development
Production
Distribution**

- keyboards
- input modules and switches
- control units and panels
- electronic modules

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:

- Power3 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.

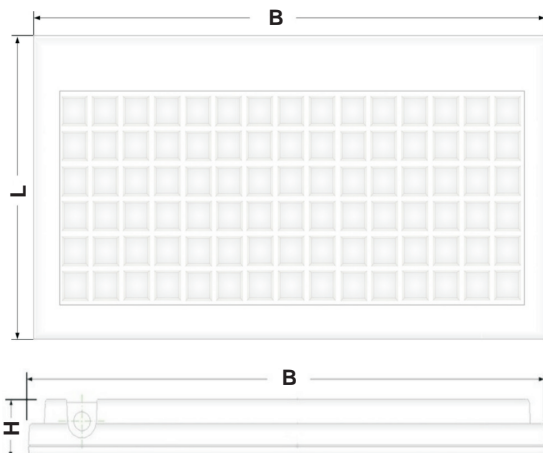
Use Possibilities:

- 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.

WB24

The freely programmable keyboard with 24 buttons



WB24 programmable

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



Description:

- The WB24 programmable is a freely programmable keyboard with 24 buttons at which every single button can be programmed with special functions, (Programm can be downloaded from our web site).
- The WB24 has very low outside measurements and is so particular suitable for use in trade, industry and economy, where data input is required on the narrowest room under aggravated environmental conditions.
- 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: WB24 00 MOLEX
article number: 0200400209000010000

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

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 2,0 mm travel keys with excellent tactile feel.
- All buttons totally and freely programmable.
- The button symbols are self printed (protected with transparent caps) or of us laser engraved on request. Different buttons with different symbols in different colors are available for standard programming.
- Simplest snap in technology to unproblematic installation of the buttons.
- Very rugged construction for hostile surroundings, developed for the use under aggravated environmental conditions.
- Mounting version with very low outside measurements

**DS Keyboard
Technic GmbH**

Development
Production
Distribution

- keyboards
- input modules and switches
- control units and panels
- electronic modules

Mechanical Data:

- Travel 2,0 mm, tactile feel
- Operation force 2,0 N
- 24 buttons, compact layout
- Durability > 1 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
- Cable straight or spiral-shaped
- Cable length 1,5 m
- Other length are possible

Detail Views:

- Matrix button arrangement.



Electrical Data:

- Contact load < 30V, 5 mA
- CE-conformable
- EMC-conformable
- RoHS-conformable

Principle:

- Contact by a silicon switch pad with carbon contacts.

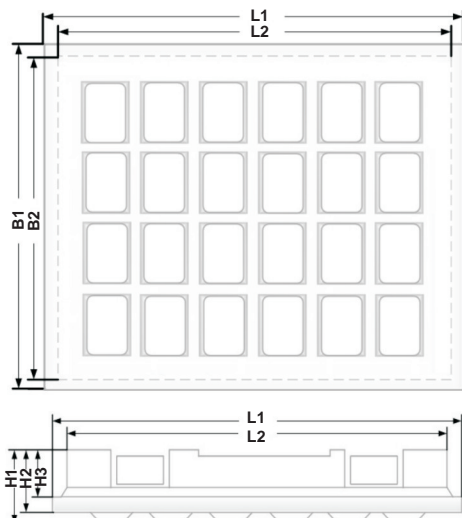
Use Possibilities:

- 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
- Many different variants with the buttons are possible



Dimensions:



L1 = 103,00mm
L2 = 95,20mm

B1 = 85,00mm
B2 = 77,00mm

H1 = 15,00mm
H2 = 11,00mm
H3 = 8,00mm

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



WB24
programmable

**DS Keyboard
Technic GmbH**

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Internet:
www.dskeyboard.com

DS 86 W

The compact keyboard

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

DS 86 W black

without
fingermouse



Description:

- The DS 86 W is the optimal solution for all narrow surroundings.
- To build in or for the external 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.
- LED-indicators for display of standardized operation modes.
- Predestined for the work at machine- and device construction, vehicle installations, aeronautics and navigation systems.

Order number for example:

notation: DS 86 W US BL PS2 cable straight
article number: 9800108201015000000

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

www.dskeyboard.com

**DS Keyboard
Technic GmbH**

**Development
Production
Distribution**

- keyboards
- input modules and switches
- control units and panels
- electronic modules

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 button arrangement on the smallest area.



Electrical Data:

- Power supply + 5 V, 30 mA
- 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.

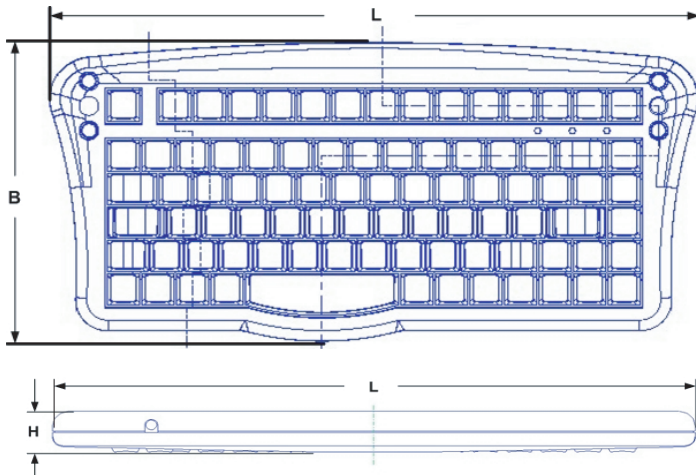
Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Measurement systems
- Machine- and device construction
- Vehicle installations
- Aeronautics
- Navigation Systems
- and any more

- Very compact, flat style



Dimensions:



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

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



**DS 86 W
black**

without
fingermouse

**DS Keyboard
Technic GmbH**

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