

OPERATING COMFORT FOR YOUR VEHICLE CONCEPT

CONTROL PANEL SERIES PILOT® WITH DISPLAY

DIVERSITY OF VARIANTS

- STANDARD AND XL-KEYPADS
- OLED OR TFT DISPLAY
- MANY ADDITIONAL BARGRAPH-LED'S

The performance boost for your vehicle operation



pilot®

- + UNLIMITED DIVERSITY OF FUNCTIONALITY BY DISPLAY
- + RGB-LED COLOUR RANGE FOR ALL CONTROL KEYPADS
- + EASY INSTALLATION VIA DIN-SLOT DESIGN
- + PROTECTION CLASS IP65, FOR INDOOR AND OUTDOOR APPLICATION
- + CONTROL BY CANOPEN UND CANFREESTYLE
- + FOR SAFETY APPLICATION





miunske
PLUS + POINTS
up to 18 keypads
on a surface of
a DIN-slot

PILOT-CONTROL PANEL SERIES WITH DISPLAY

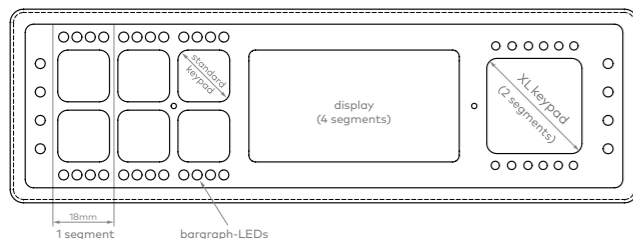
More messages, more comfort, more safety

The new HMI-system solution pilot® ensures a perfect human-machine interaction. It is the answer of increasing complexity, diversity and cost efficiency in commercial vehicle electronics. The tailored operating concept, which is realized by different standard variants based of a modular system, orientates consequently on your demands. Equipped with CAN-Interface and depending on design variant also with display – it is able to transmit an unlimited number of very specific warning and operating instructions.

Why pilot® ?

As well as a pilot in a plane checks all parameters and sends them to the tower, like this the pilot operating panel permanently monitors all status in your vehicle and send the information to the driver. At the same time it receives instructions and executes them like a pilot follows instructions of the tower.

THE MODULAR PILOT SYSTEM



The basic unit for describing the width of the operating device is specified in segments. One segment corresponds to 18 mm width.

Different functional elements need a various number of segments:

- 2 standard operating elements fit into 1 segment
- 1 XL-operating element requires the width of 2 segments
- 1 display requires the width of 4 segments
- the left and the right side of the frame requires together exact 1 segment width

STANDARD-VARIANTS



pilot 3.3

- 3 segments
- 3 keypads
- incl. 1 XL-keypad



pilot 3.6

- 3 segments
- 6 keypads



pilot 4.8

- 4 segments
- 8 keypads



pilot 4.0 D

- 4 segments
- 1 display



pilot 5.2 D

- 5 segments
- 2 keypads
- 1 display



pilot 6.12

- 6 segments
- 12 keypads



pilot 9.18

- 9 segments
- 18 keypads



pilot 9.7 D

- 9 segments
- 7 keypads
- incl. 1 XL-keypad
- 1 display

STANDARD-VARIANTS

The pilot® control panel combines the advantages of a display application, keypad-control and CAN-communication. The 8 standard models consists of different combinations of operating elements in standard size and XL-size, to which 4 or 6 bargraph-LEDs per element can be assigned. Also there are variants with integrated display- optionally as monochrome OLED or graphic compatible TFT-colour display.

TWO DISPLAY-VARIANTS

You can choose between 2 display-variants depending on the requirement profile for the operating panel:

OLED-DISPLAY

Monochrome display for showing numerical parameters and pictograms

- high contrast
- 2,4" Dotmatrix-Display
- resolution 128 x 64 pixels



TFT-DISPLAY

Colour display for showing graphics and images

- graphics compatible
- 2,4" LCD-TFT Display
- resolution 320 x 240 pixels



INFO:

- free programmable displays with unlimited number of warning signals and operating instructions
- free placement of display-information via CAN-message (CONTEXT)
- different templates for standard applications parameterizable via FlexGui

EXTREM HIGH QUANTITY OF BARGRAPH-INDICATORS

Each control- & operating element can additionally be complemented by bargraph indicators. Standard size operating keypads have 4 and XL-operating keypads even 6 Unicolour-LEDs. Furthermore there are 4 status-LEDs (RGB) on each side of the pilot®- operating device for additional signal messages.

Isn't there a suitable design model for you, our developer team is glad to design an individual pilot version for your needs.

PRODUCT ADVANTAGES

- + **increased operating comfort** via design variants with integrated **OLED- or TFT-display**
- + **quick and easy installation** in vehicles by **compact DIN-Slot** design (pilot 9.7 D & pilot 9.18)
- + **robust and safely** operating by extra large XL-keypads
- + **variety of status indications** by symbol illumination of the keypads **in all RGB colours**
- + **extrem high quantity of bargraph-LEDs** (unicolour) and **status-LEDs** (RGB) for additional signal messages available
- + **optimized haptic design** via optional embossing of the front foil
- + **customized designs** due to free design options of the front foil in all CMYK colour shades & designs, plus imprint of information and logos.
- + robust and high quality **aluminium housing**
- + **protection class IP65**: completely protected against dust and water stream/suitable **for indoor and outdoor application**
- + **programming and parameterization according to customer requirements**
- + **connection design according to customer requirements** (DEUTSCH, TE, Phoenix, Molex, extended or open cable end)

INDIVIDUAL FRONT- AND FRAME DESIGN

The standard version of the pilot® operating panel has a high-quality black aluminium frame. The front consists of an abrasion-resistant and detergent-resistant polyester foil, which can be lasered and printed to meet specific applications. We will gladly create individual designs according to your specifications.

LASER CUTTING AND PRINTING ON THE FRONT FOIL:

- extensive graphic and icon library for lasering available
- printing of customized texts, graphics, logos
- all CMYK-colour shades or designs possible

DESIGN OF THE ALUMINIUM FRAME:

- different eloxal-colours:
- anodised natural-coloured, yellow, orange, red, green and blue

Thanks to the **robust and space-saving design** in DIN slot format, the pilot 9.7 D and 9.18 operating devices can be quickly and easily integrated into the vehicle. The high **degree of protection IP65** that offer complete protection against dust and water jets, making all operating panels also very **suitable for outdoor applications**.

PILOT-CONFIGURATOR

Select the following product features and design the optimal pilot® control device version for your application.



Your direct Link to the **PILOT-Configurator**: