



ehb SMARTdisplay 43

The ehb SMARTdisplay 43 delivers a multitude of functions for the monitoring, visualisation, display and control of applications via CANbus (SAE J1939).

APPLICATIONS

Construction machinery

Communal vehicles

Agricultural machines

Plant engineering

Industrial visualisation

Maritime applications

High-resolution colour display with menu-controlled background brightness
ehb SMARTdisplay 43 ensures perfect legibility even under poor lighting conditions.

Capacitive touch screen

Intuitive, graphic user navigation without additional mechanical operating elements, directly on-screen.

UV-resistant, rugged plastic housing manufactured from PA 6.6 GF30 with high-quality, single-side micro-etched float glass and non-sparkling effect

The slim design of the ehb SMARTdisplay 43 enables perfect integration.

The surface will tolerate cleaning with disinfectant. No annoying reflections.

ehb workbench for the configuration of customer-specific visualisation and user interfaces

Individual adaptation of all display and signalling elements and integration of customer-specific logos, symbols and pictograms. Freely positionable and configurable. The Drag&Drop concept enables intuitive operation without programming expertise.

USB port

Transfer of data to USB storage media for postprocessing and documentation.

Data and project loading from USB storage media.

Optional customer-specific adaptations.

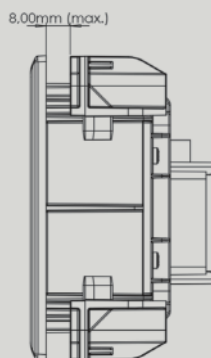
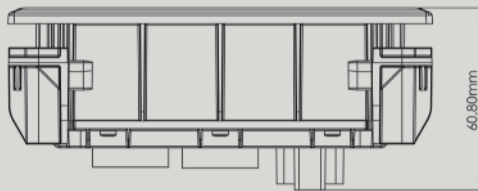
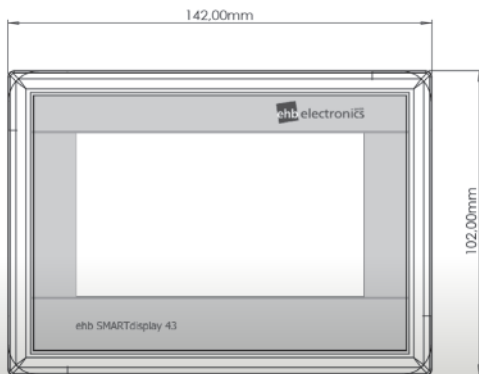
Real-time operating system and ready for Industry 4.0

Realisation of complex, real-time-capable applications with application reliability in M2M communication.

Web interface

Individual display of customer-specific data and application parametrisation via web server. Connection via integrated RJ-45 interface.

Optional customer-specific adaptations.



ehb SMARTdisplay 43

CANflex

ehb5412*

TECHNICAL DATA

Electrical data

Voltage range	8 – 32V (typ. 12 – 24V)
Interference	14 – 28V (6Vss, 50Hz on UB)
Voltage peaks	200V (2ms on UB)
Power consumption	170 – 300mA (in UB 8 – 14V)
Operating temperature	-20°C* to +70°C *(up to -40°C when additional measures are taken)
Storage temperature	-30°C to +80°C
Inputs	CAN bus interface, USB 2.0, Ethernet
Outputs	CAN bus interface, USB 2.0, Ethernet
Analogue inputs	2x 0 – 20mA or 0 – 10V
RAM memory	512 MByte
Flash memory	128 MByte, expandable to 8GByte with internal SD card
CAN bus interface	250 kBit/s, CAN 2.0B, SAE J1939
Operating hours counter	Integrated
Daily operating hours counter	Possible via plug-in
Software	ehb-workbench

Visualisation

Display type	LCD colour display, TFT, transmissive
Resolution	480 x 272 pixels
Visible screen diagonal	4.3" (10.9cm)
Brightness	391 cd/m ²
Contrast ratio (CR)	300 – 450
Background lighting	LED, white

Mechanical data

Housing dimensions (L x W)	142 x 102 mm
Installation dimensions (W x H x D)	125 x 85 x 100 mm
Installation cut-out (W x H)	125 x 85 mm
Housing material	PA 6.6 GF30 with Al rear panel
Weight	430g
Installation	4 clamping elements, bolted from the rear
Degree of protection	IP67
Connection	Deutsch plug Typ DT04-12 PA USB 2.0 RJ-45

Test standard

Humidity	DIN EN 60068-2-3
Vibration	DIN EN 60068-2-6
Impact	DIN EN 60068-2-27
CE marking	according to Directive 2014/30/EU

Accessories

ehb-workbench	Free download from our website
Connection cable, 3m	
Deutsch DT06-12SA	ehb2344
Connection cable, 3m	
Deutsch DT06-12SA 90° angled	ehb2345
Deutsch mating connector (Socket) with contacts	ZUB5440

