

## Display DDU Sport

The DDU Sport is a light and compact dashboard unit with a high contrast monochrome display. Customised display configurations can be programmed to suit individual customer requirements. All illuminated components are dimmable.

For enhanced flexibility the DDU Sport can be interfaced to a range of stand-alone I/O modules that provide the driver with additional information or alternatively enable the driver to interface with multiple vehicle functions.

The display has an integrated logger with a memory capacity of 512 MB. Engine data of the ECU can be received via CAN interface.

Data acquisition and calibration software RaceLab Sport is inclusive.



### Application

LCD display / LED background light	
4 programmable pages	
Active area	91 x 56 mm
Resolution	240 x 128 pixel
Dot size	0.38 x 0.41 mm
Mounting	4 x M5 threads on reverse side
4 internal switches for operation (pages, mode, setting), available also on reverse side connectors	

### Mechanical Data

Dimensions	160 x 110 x 26 mm
Weight	433 g
Max. Vibration	Vibration Profile 1 (see Appendix or <a href="http://www.bosch-motorsport.com">www.bosch-motorsport.com</a> )
Temperature	-10 ... 65 °C

### Electrical Data

7 sequential shift LEDs
512 MB Data logger integrated
4 analog inputs (0 ... 5 V) 10 bit resolution
4 digital inputs (HL = 2.5 ... 32 V)
Real Time Clock
2 x CAN-Bus
1 x 100 Mbit LAN
Voltage supply range: 7,5 ... 35 V
Sensor supply: 5 V, 500 mA

### Software

Data acquisition and calibration with RaceLab Sport via Ethernet



## Connectors

Mating connector straight, Binder Series 712  
3 x 99 0425 00 08                      3 x F 02U 002 202-01

Mating connector angled, Binder Series 712  
3 x 99 0425 70 08                      3 x F 02U 001 514-01

### Connector 1 (red)

Pin 1	Input, digital 1
Pin 2	Input, digital 2
Pin 3	Input, digital 3
Pin 4	Input, digital 4
Pin 5	Input, terminal 30
Pin 6	Input, terminal 15
Pin 7	Input/Output, GND
Pin 8	Output, Us

### Connector 2 (green)

Pin 1	Input, KEY4
Pin 2	Input, KEY3
Pin 3	Input, KEY2
Pin 4	Input, KEY1
Pin 5	Input, AIN3
Pin 6	Input, AIN2
Pin 7	Input, AIN1
Pin 8	Input, AIN0

### Connector 3 (blue)

Pin 1	Input/Output, CANB-LOW
Pin 2	Input/Output, CANB-HIGH
Pin 3	Input/Output, CANA-LOW
Pin 4	Input/Output, CANA-HIGH
Pin 5	Input, RX- LAN
Pin 6	Input, RX+ LAN
Pin 7	Output, TX- LAN
Pin 8	Output, TX+ LAN

## Part Number

DDU Sport (without mating connectors)  
**F 01T A20 050-01**

DDU Sport (with mating connectors straight)  
**F 01T A20 050-02**

DDU Sport (with mating connectors angled)  
**F 02U V00 426-01**