MVT-43-V GRAPHIC DISPLAY 4.3 WITH CAMERA INPUT

ART. NO.: 33-04-26-97210*

* INCLUDES VARIANTS SUCH AS (...-A01, -A02, ...-B01) OR SPARE PART VARIANTS (.../T, .../A)

MOBA MOBILE AUTOMATION

Technical data

Electrical properties

Operating voltage:	8 … 32 V DC
Current consumption:	100 to 500 mA @ 12V (depending on brightness)

Mechanical properties

Weight:	0.2 kg
Ingress protection:	IP67
Material	Plastic with silicon coating
Mounting method	In-dash or out-dash with RAM-MOUNT type A

Ambient conditions

Operating temperature range:	-30 … +75 °C
Storage temperature range:	-30 … +80 °C

Display

Type:	IPS TFT-LCD with LED backlight
Resolution:	480 x 272 pixel
Brightness:	900 cd/m2
Contrast ratio:	800:1
Display Colors:	16.7 M

General features

Inputs:	4x Digital high side / Analog inputs
Outputs:	4x Digital ouputs (2A max)
Keypad:	8 keys, each with independent white LED backlight
Buzzer:	50 db
Video-Interface:	1x Analog video input PAL
USB port:	1x USB 2.0
Connector:	TE AMP 26 pin

Interfaces

CAN:	2x CAN-bus interfaces, ISO 11898-2 compliant

Electronic features

CPU:	ARM® Cortex®-M7 series, 32bit core
Clock rate:	480 MHz
FLASH memory size:	64 MB
RAM memory size:	32 MB
RTC:	Real time clock, battery buffered
Programming:	Graphic in TouchGFX Designer and logic in STM32CubeIDE



CE

Features:

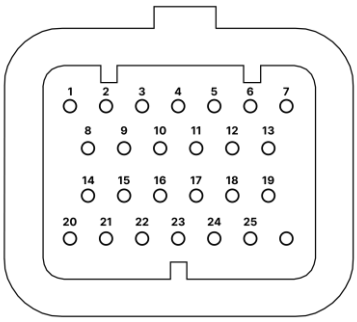
» 4.3" graphic display with backlight keys
» Sun readable
» Embedded real time clock
» Software update via CAN-bus or USB

Standards conformity:

» EN 61000-6-2:2005
» EN 61000-6-4:2007 + A1:2011

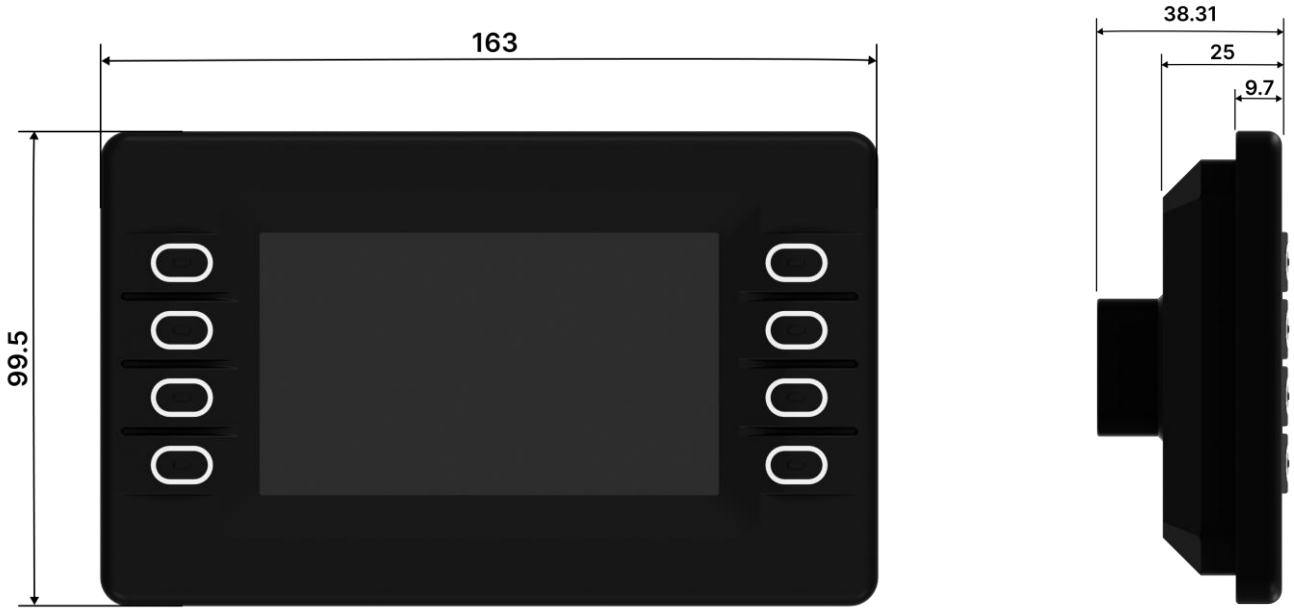
Field for Notes

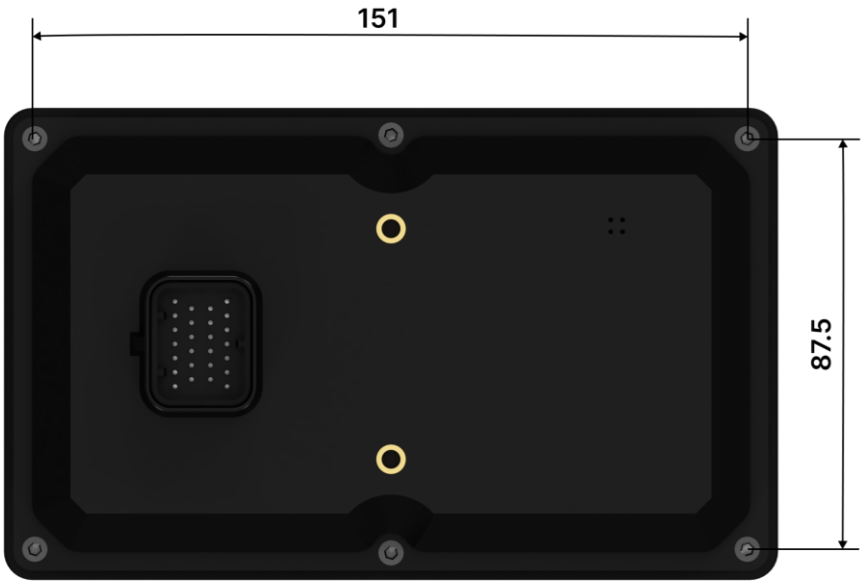
Pin connection



Connector		
1	+ Operating voltage	+ Power supply
2	- Operating voltage	- Power supply
3	DI_0	Digital high side ignition input
4	USB VCC	USB host VCC
5	USB D+	USB host D+
6	USB D-	USB host D-
7	GND	USB host GND
8	USB shield	USB host shield
9	CAN-L 1	CAN-bus 1 low
10	CAN-H 1	CAN-bus 1 high
11	CAN GND	CAN-bus GND
12	CAN-L 2	CAN-bus 2 low
13	CAN-H 2	CAN-bus 2 high
14	CAN GND	CAN-bus GND
15	DI_1	Digita/Analog high side input 0-32 Vdc
16	DI_2	Digita/Analog high side input 0-32 Vdc
17	DI_3	Digita/Analog high side input 0-32 Vdc
18	DI_4	Digita/Analog high side input 0-32 Vdc
19	OUT_0	Digital high side Output 2A
20	OUT_1	Digital high side Output 2A
21	OUT_2	Digital high side Output 2A
22	OUT_3	Digital high side Output 2A + Power for Camera Supply
23	+VP	+ Power supply for outputs
24	GND	GND for camera supply
25	Camera-	Video input signal -
26	Camera+	Video input signal +

Dimension





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