

EC-VIS-G-D480X272PX-P GRAPHIC DISPLAY UNIT

new

DESCRIPTION

The Opus A3 color display unit is a cost-effective, rugged operator control panels for use on heavy-duty vehicles and work machines that must operate outdoors in harsh conditions. It is fully equipped with (3) hard and (8) soft function keys, push-button encoder, integrated buzzer.

FEATURES

- Color display control unit to be fixed inside a cabin.
- Mounting adaptor on the rear for installation.
- CAN Bus 2.0, USB 2.0, RS232 connections.
- Color Graphic display 480 x 272 px , 15:9 led backlit.

MECHANICAL / ENVIRONMENTAL SPECIFICATIONS

| | |
|--------------------------|---|
| Dimensions: | 198 x 98 x 64.7 mm |
| Housing: | Plastic body, colored light grey with black rubber frame. |
| Operating temperature: | -30 / 65°C |
| Degree of protection: | IP 67 |
| Main Connector 26 poles: | Tyco-AMP 1437288-6 |
| Mating connector: | Tyco-AMP 3-1437290-7 |
| Mating crimp contacts: | Tyco-AMP 3-1447221-4 |
| Dummy plug | Tyco AMP 4-1437284-3 |

ELECTRICAL SPECIFICATIONS

Display

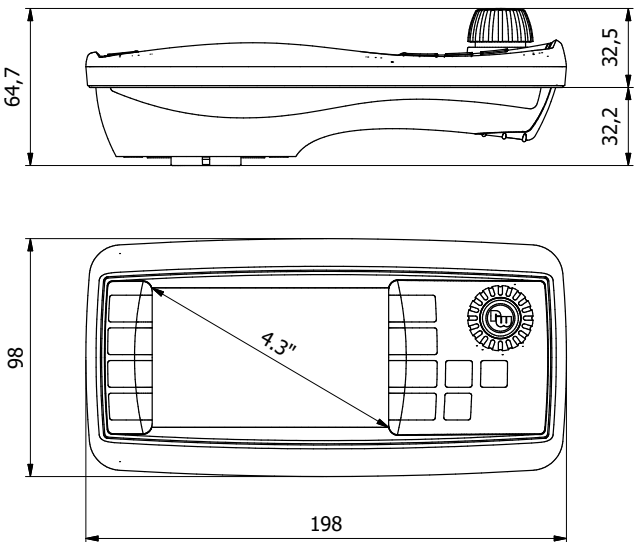
| | |
|------------------|-----------------------|
| Type: | TFT Color Graphic LCD |
| Resolution: | 480 x 272 px |
| Viewing area: | 95 x 53 mm (4,3") |
| Backlight: | led |
| Backlight color: | 16.7 Mio. |
| Contrast Ratio: | 400:1 |

ELECTRONIC CONTROL UNIT

| | |
|---------------------------|--|
| Operating voltage: | 9÷36 VDC |
| Communication interfaces: | 2 x CAN Bus USB 2.0 RS 232 |
| Left keypad: | 4 Keys Blue led backlight |
| Right keypad: | 4+3 Keys Blue led backlight |
| Indicators and sensors: | Light sensor 1 Multicolor led 2 status led |
| Encoder: | Mechanical with push function |



DIMENSIONS



APPLICATIONS

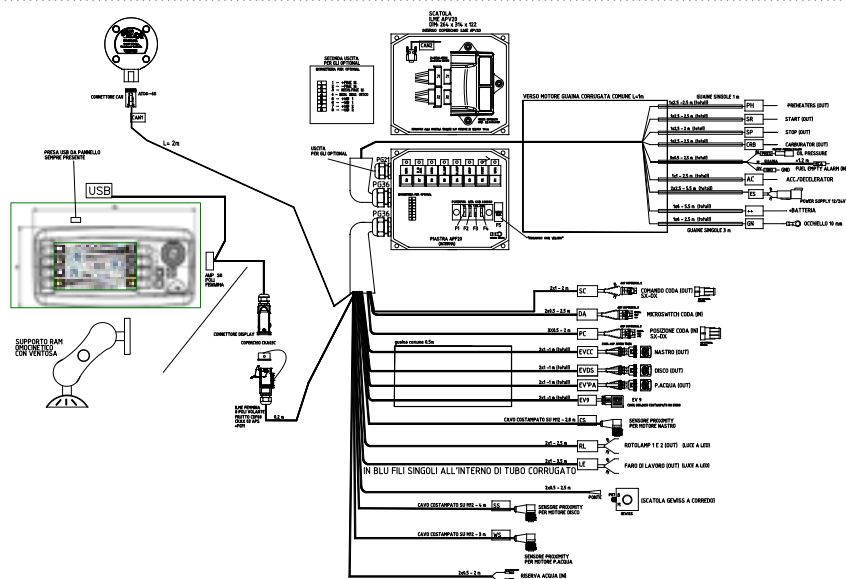
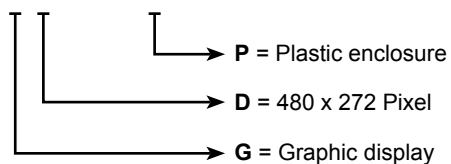
- In-cab terminal.
- Service/Maintenance Tool.
- Diagnostic/Configuration unit.

WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

W 50/2022

EC-VIS-G-D480X272PX-P GRAPHIC DISPLAY UNIT**CIRCUIT BOARD PINOUT - WIRING DIAGRAM**

| Pin. No. | Assignment | Description | Pin. No. | Assignment | Description |
|----------|----------------|-------------------------------|----------|------------|---------------------|
| 1 | VCC | supply voltage +; terminal 30 | 14 | USB_D- | USB Data line - |
| 2 | Ignition Input | ignition input; terminal 15 | 15 | USB_D+ | USB Data line + |
| 3 | GND | supply voltage-; terminal 31 | 16 | RS232 RxD | RS232 receive data |
| 4 | CarGDN | Car ground | 17 | RS232 TxD | RS232 transmit data |
| 5 | n.c. | Not connected | 18 | RS232 GND | RS232 ground |
| 6 | n.c. | Not connected | 19 | n.c. | Not connected |
| 7 | n.c. | Not connected | 20 | n.c. | Not connected |
| 8 | CAN1H | CAN 1 high | 21 | n.c. | Not connected |
| 9 | CAN1L | CAN 1 low | 22 | n.c. | Not connected |
| 10 | CAN2H | CAN 2 high | 23 | SERV_EN | service enable |
| 11 | CAN2L | CAN 2 low | 24 | n.c. | Not connected |
| 12 | USB_VCC | USB+5V DC supply | 25 | n.c. | Not connected |
| 13 | USB_GND | USB supply ground | 26 | n.c. | Not connected |

APPLICATION EXAMPLE**ORDERING INFORMATION****EC-VIS-G-D480X272PX-P**

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