

Modular Control Systems

D3510

D-Series Displays and Control Devices

Part no. 340 351

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D5

- ⇒ 7" (17,8 cm) WVGA-TFT
- ⇒ visible face (155 mm x 94 mm)
- ⇒ 800 x 480 pixel / 65536 colors
- ⇒ 400 MHz ARM9 32 Bit processor
- ⇒ 64 MB RAM / 32 MB Flash / 8kB FRAM
- ⇒ up to 32 GB mass storage possible with 12 illuminated touch, haptic

Optimal Visualization

The high resolution, contrast and view angle capability of the display enable a **maximum of visual representation.**



Technical specifications D3510:

Display

| | | | | |
|--------------|---------------------------|-----------------------------|---------------------------|------------------------------------|
| Display type | TFT-color graphic display | 0 x 480 pixel (VGA) 17,8 cm | Backlighting | LED, 4 0 cd/m ² immable |
| Visible face | 155 mm x 94 mm (7") | | Touch screen (capacitive) | Contrast 350:1 |

Electrical Data

| | | | |
|----------------|---|--------------------------|---|
| Supply voltage | 10 - 32 VDC | Current consumption | < 0 mA @ 24V (typ. 2W) |
| Fuse | Ext. Power supply of hte dig. outp. to be fused with 8A | Program and data storage | <ul style="list-style-type: none"> ▪ 32 MB Flash ▪ 64 MB RAM ▪ 8 kB FRAM |

Environment

| | | | |
|-----------------------|--|---------------------|--|
| Operating temperature | -20°C to +70°C | RTC: | Year, Month, Week, Weekday, Day, H, M, S |
| Storage temperature | -40°C to +85°C | Mass storage | up to 32 GB optional |
| Interface | <ul style="list-style-type: none"> ▪ 2 x CAN ISO 11898 ▪ RS232 ▪ USB Host (to connect USB mass storage) ▪ USB Device (to connect to PC) ▪ J1939 | IO's | - |
| | | Ethernet Modbus TCP | - |
| | | Videoinput: 4in | - |

Programming

D Parameterization GDSDesigner

Mechanical Data

| | | | |
|------------------------|-------------------|-------------------------|---|
| Dimensions (W x H x D) | 144 x 144 x 70 mm | Mounting cutout (W x H) | 136 x 136mm |
| Weight | g | Keys | 1 illuminated touch keys with status LED and buzzer |
| Mounting | E D O O P R X Q W | Protection | Frontal IP65 / backside IP54 |

Test Standards

| | | | |
|--------------------|-------------------------------|------------|--------------------------|
| CE identification | Acc. to directive 2004/108/EG | Humidity | EN 60068-2-30 |
| EMC | EN61000 | Vibration | EN 60068-2-6 |
| Vehicle test pulse | DIN 40839 part 1 (ISO7637) | Shock | EN 60068-2-27 |
| Temperature | EN 60068-2-2 | Salt spray | EN 60068-2-11 (optional) |
| Classification | | e1 lable | (optional) |

We reserve the right to make technical changes without prior notice

Dimension drawings:



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