

## Terminal BC1100 for small text information



- Terminal for use on railway vehicles
- Active display (vacuum fluorescence), alternatively also with LC display (BC1000)
- ANSI emulation (VT100 subset)
- Serial interface RS 232 / RS 422 / RS 485
- Optionally with CAN bus
- Temperature range -25°C .... +70°C
- Protection class IP65 (front side)
- For on-board voltages from 12V up to 110 V
- Very low dimensions, therefore perfect for subsequent driver's desk installation

The Terminal BC1100 has been developed for the usage on railway vehicles. For applications which ask for an enhanced and sophisticated temperature range – without heating and ventilation arrangements – displays in vacuum fluorescence technology mostly have advantage over conventional LCD solutions. The control of the display takes place via serial interfaces or optionally CAN bus.

## **Technical Data BC1100**

### **Processor and Memory**

- $\mu$ C 8051 compatible
- Flash memory for application program (ANSI terminal emulation)

### **Display**

- VF display
- 4 x 20 characters
- optionally full graphics
- Illumination control

### **Keyboard**

- 10 single keys with overlying minted foil
- High abrasion and chemicals resistance
- Keys with LED illuminating (unlimited lifetime)
- Key illumination controllable

### **Interfaces**

- Isolated serial interface according to RS 232 / RS422 / RS485
- CAN bus interface optionally

### **Power Supply**

- For On-Board voltages from 12 to 110V DC (+/-40%)
- Power consumption approx. 5W

### **Mechanics**

- Protection class IP65 (front side)
- Rugged steel sheet housing
- Dimensions WxHxD: 170 x 100 x 60mm  
Installation dimensions WxH: 150 x 90mm

### **Environmental requirements**

- Temperature range -25°C up to +70°C (short-time up to +85°C)
- Separate electronics for temperature management
- Complies with railway standards EN50155 and EN50121

### **Options / Versions**

- Graphics or LCD display
- Additional terminal emulations and / or custom-made transfer protocols