

## Terminal BC1100 for small text information.

### Vehicle terminals

- Terminal for use on railway vehicles
- Active display (vacuum fluorescence)
- ANSI emulation (VT100 subset)
- Serial interface RS 232/RS 422/RS 485
- CAN bus (optionally with CANopen Stack)
- Temperature range -40° C ... +70° C
- Protection class IP65 (front side)
- For on-board voltages from 24 V up to 110 V
- Very low dimensions, therefore perfect for subsequent driver 's desk installation



### **Ideal use:**

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 CAN bus (optionally CANopen stack).

## **Technical data BC1100**

### **Processor and memory**

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- Freescale HCS12
- 128 kB flash memory
- 8 kB RAM
- 2 kB EEPROM
- Optionally external EEPROM

### **Display**

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

### **Keyboard**

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

### **Interfaces**

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- Serial interface according to RS 232/RS422/RS485 (isolated)
- CAN bus interface (isolated)
- service interface (RS232)
- configuration interface, optionally used as analog inputs

### **Power supply**

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- For on-board voltages from 24 to 110 V DC (+/-40%)
- Power consumption approx. 3 W

### **Mechanics**

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- Aluminium housing
- Protection class IP65 (front side)
- Dimensions W x H x D: 185 x 100 x 52 mm
- Installation dimensions  
W x H: 160 x 91 mm

### **Environmental requirements**

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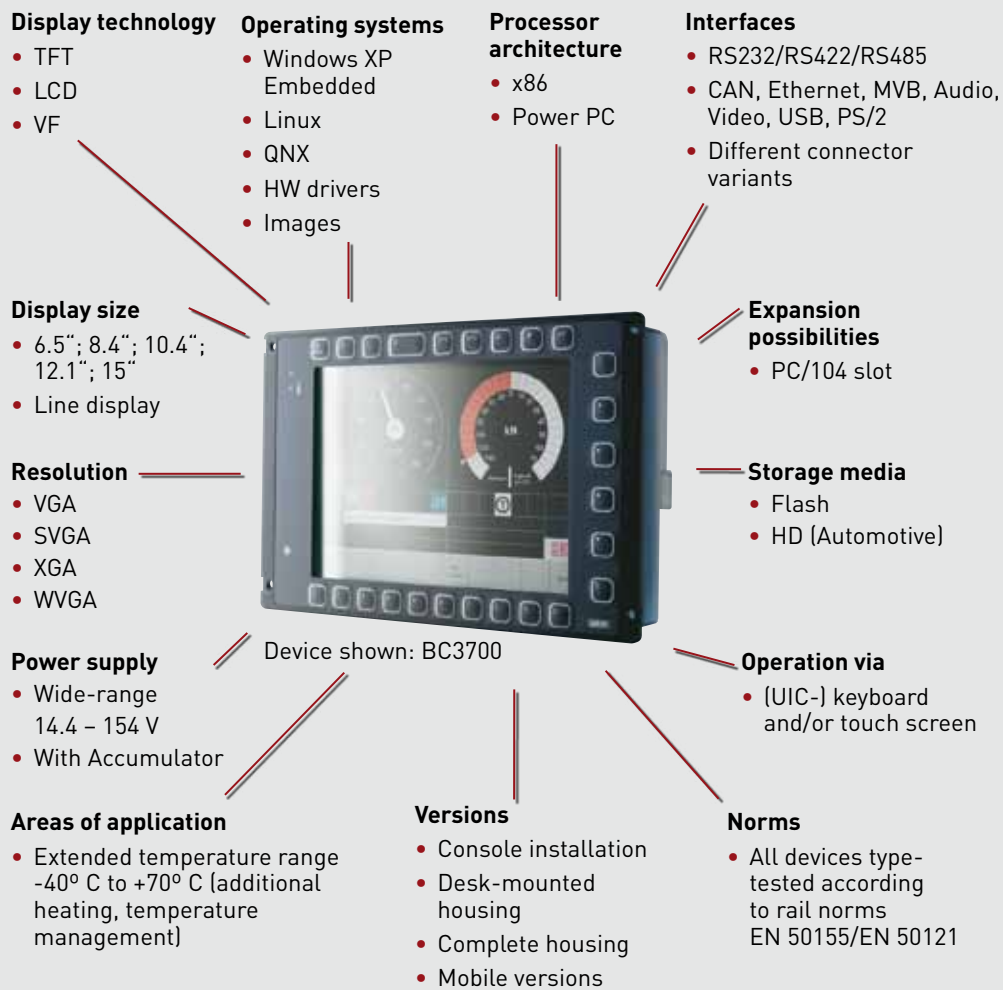
- Temperature range -40° C up to +70° C (short-time up to +85° C)
- temperature management
- complies with railway standards EN 50155 and EN 50121

### **Options/Versions**

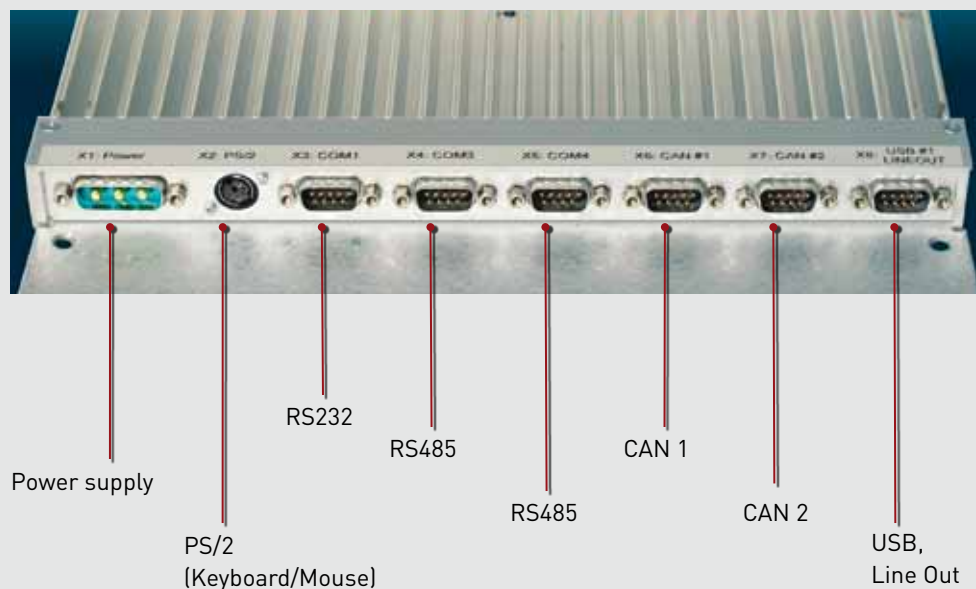
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- VF graphics display
- CANopen-Stack
- customer defined terminal emulation
- analog measuring inputs

Our modular device concept is the basis of all our product families – and of your customized solution:



## Back-mounted interfaces and connections BC3700 (sample variant)



# Get there safely. Under any conditions.



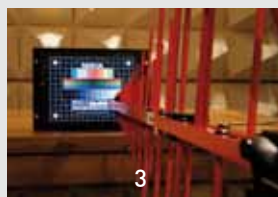
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- Decades of experience in the railway technology sector and industrial computer development
- Over 11,000 devices in daily railway operation
- One modular product concept for every customized solution
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- Certification to ISO 9001:2008 and IRIS in preparation

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