

Brief Description of the Device

The new driver's cap terminal Sitet® XL was specifically developed for use in rail vehicles. It constitutes the human-machine-interface (HMI) between the control and vehicle diagnostic system and the driver of the rail vehicle as well as to the service staff. The device is used for process visualisation of operating and diagnostic data. An industrial PC constitutes the frog, expanded with monitoring and climate control management in order to comply with the requirements of rail vehicles.

The driver's cap terminal Sitet® XL displays information in clear text as well as in graphic form. It also has the capability to convey information to the driver via acoustic signals and voice output.

Because the vehicles are used underground as well as above ground, the Sitet® XL is supplied with a brightness control function, which guarantees even lighting of the display surface over the complete lit-up area.

For operation in a wider temperature zone the device is supplied with a heating system.

Interaction between the vehicle control technology and the driver is possible via a keypad integrated into the control panel or a touch screen.

Intended purpose/use

The driver's cap terminal Sitet® XL displays system data and route information as well as the entry of instructions for the control of the train in the driver's cap of rail vehicles.



Location

Driver's cap of

- High-speed trains
- Locomotives
- Multiple units
- Metropolitan trains
- Urban railways and underground trains

Sitet® XL

Driver's cap terminal

Electronic Design and Manufacturing Services

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Interfaces

Power Supply:	AirLB ECTA 133
Audio Out:	M12 socket with Mounting place codification
Audio In optional:	M8 connector
RS232/422:	Each 1 x D-SUB 9 - Pin
Ethernet:	10/100 MBit
USB 2.0:	2 x M8 Sockets
VIDEO In optional:	Video Unit with 2 FBAS Inputs
MVB:	2 x D-SUB 9 - Sockets
PC104 - Slot:	Optional (Housing Depth 95 mm)



Technical Data

Dimensions (W*H*D)	Control panel: 310 mm x 216 mm Device: 280 mm x 204 mm x 75 mm (95 mm)
Weight:	Approx. 4 kg
Protection class:	Control panel: IP65 Housing: IP54
Nominal voltage:	24 V DC or 110 V DC
Power input:	< 20 Watt
Industrial PC:	500 MHz with \geq 256 MB RAM
Mass memory:	Flash Memory \geq 512 MB
Display resolution:	640 x 480 Pixels, 64k Colours
Display-Size:	10,4"
Contrast and brightness:	Type 300:1, < 2 to 250 cd/m ² Regulated Backlighting with LED
Operation:	Keypad Optional Resistive Touch Screen Optional Capacitive Touch Screen
Mechanical strength:	In accordance with EN 50155
EMV:	In accordance with EN 50121-3-2
Housing:	Aluminium, black, dust-proof
Operating temp. range:	-40 °C ... 60 °C Continuous Operation Activation up to 75°C
Storage temp. range:	-40 °C ... 80 °C
MTBF without backlight:	> 90.000 h
Thermal load:	15000 kJ

The information in this document contains general descriptions of technical possibilities, which do not always have to be available in individual cases. The required features have to be determined at the conclusion of the contract.

Sitet® is a proprietary trademark of Siemens Electronic Design and Manufacturing Services

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