



The automation solution for OEM subsystem

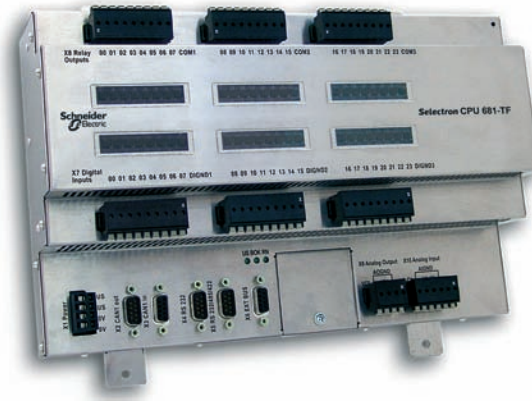
System overview MAS 68x-T



Optimized solutions

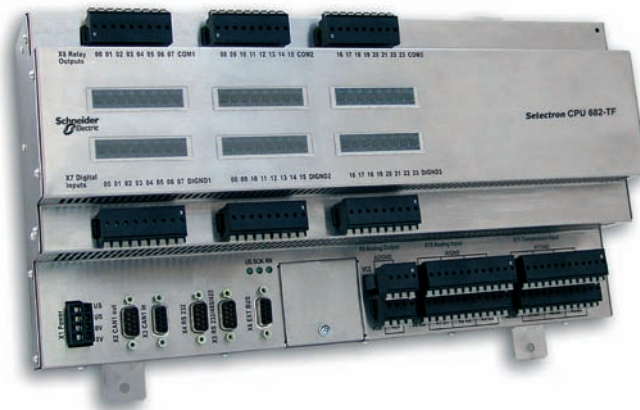
CPU 681-T Door control

- 24 digital inputs 24 Vdc
- 24 Relay outputs 220 Vac/ 24 Vdc, 2A
- 2 analog inputs ± 10 Vdc or ± 20 mA, 12 Bit
- 2 analog outputs ± 10 Vdc or 0 ... 20 mA, 12 Bit
- 1 CAN
- 1 RS 232
- 1 RS 232/422/485



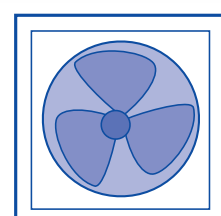
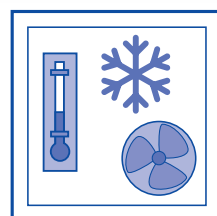
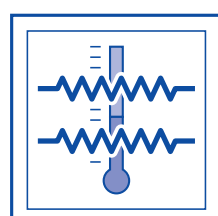
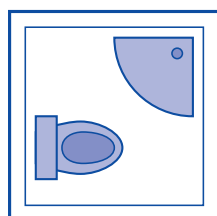
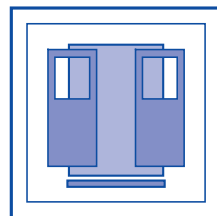
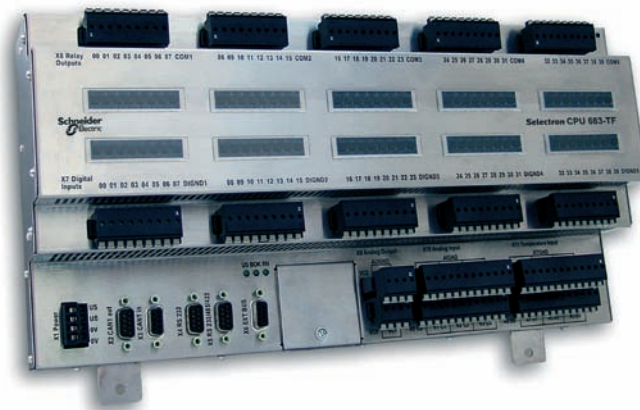
CPU 682-T Sanitary area and HVAC control

- 24 digital inputs 24 Vdc
- 24 Relay outputs 220 Vac/ 24 Vdc, 2A
- 8 analog inputs ± 10 Vdc or ± 20 mA, 12 Bit
- 4 analog outputs ± 10 Vdc or 0 ... 20 mA, 12 Bit
- 8 PT 100/1000, Ni 100/1000/NTC
- 1 CAN
- 1 RS 232
- 1 RS 232/422/485



CPU 683-T HVAC control

- 40 digital inputs 24 Vdc
- 40 Relay outputs 220 Vac/ 24 Vdc, 2A
- 8 analog inputs ± 10 Vdc or ± 20 mA, 12 Bit
- 4 analog outputs ± 10 Vdc or 0 ... 20 mA, 12 Bit
- 8 PT 100/1000, Ni 100/1000/NTC
- 1 CAN
- 1 RS 232
- 1 RS 232/422/485



"Three levels of functions adapted to the three most important subsystems in railway carriages"

The new **Selectron® MAS 68x-T** controller family has been specially designed for use in subsystems such as **doors, sanitary areas or heating/ ventilation/air conditioning.**

- 1 MB flash, 1 MB RAM
- Supply voltage 24 Vdc
- Compact stainless steel housing
- The number of digital and analog I/Os is tailored to the application in question
- 1 CAN with CANopen protocol
- 1 RS 232 / 422 / 485 user interface
- 1 RS 232 programming interface

MAS 68x-T complies with the **EN 50155** standard:

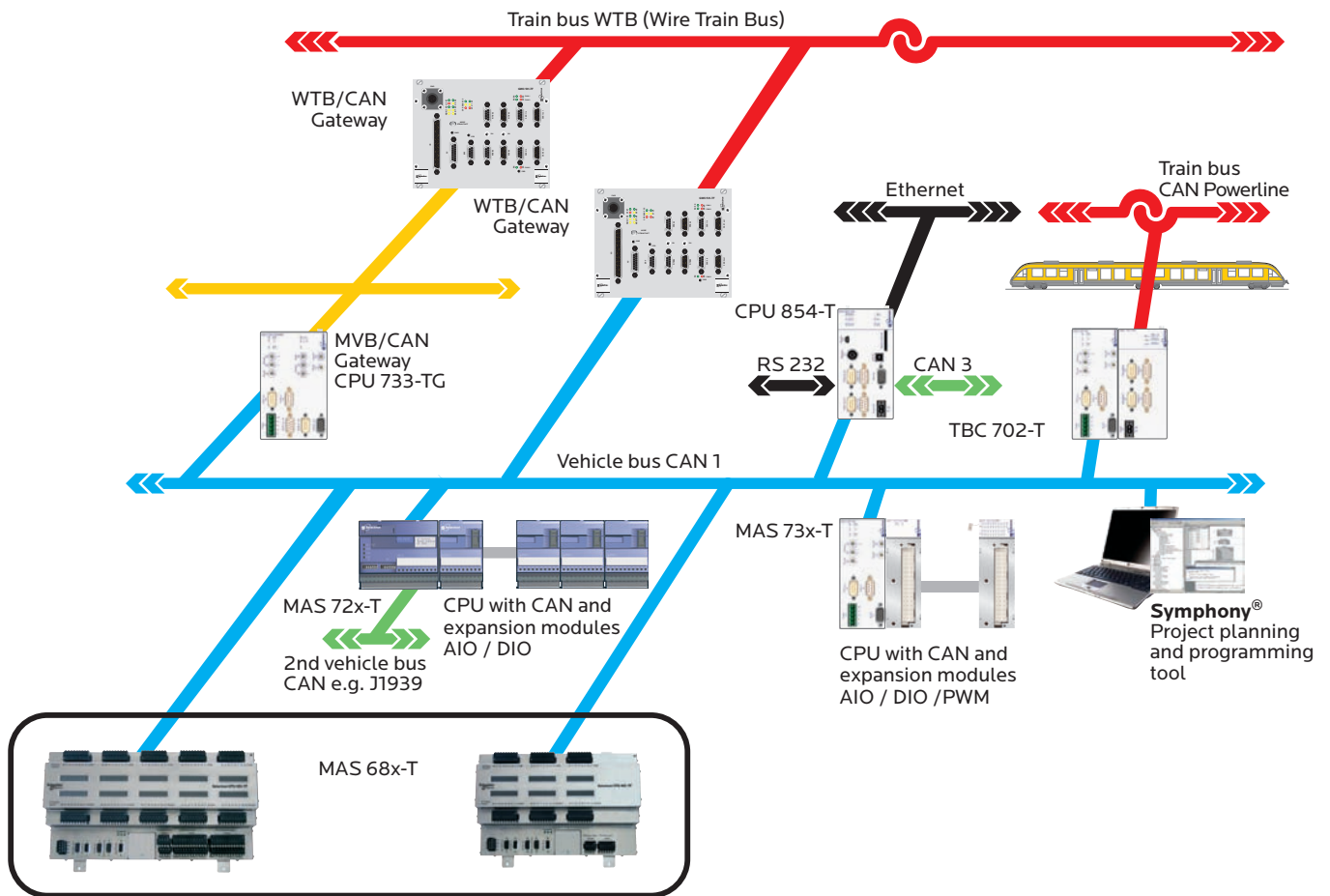
Temperature	Class T1 (-25 °C ... +55 °C)
Vibration	Category 1
Shock	Class B

The controllers will be available from the middle of 2008 onwards.



Communication with TCMS

... Communication interfaces for the most important protocols



Programming and startup

Programming is done using the familiar **Symphony®** software package in accordance with IEC 61131-3 with the commonly used languages IL, FBD, LD, SFC and ST. In addition, it is possible to write program sections in the high-level language C (ANSI C). Extensive **libraries** increase the efficiency of writing software

The **TOP 1131** simplifies your management tasks for Selectron® MAS controllers in a network, i.e.

- Visual display of the network topology
- Automatic batch update of controllers
- High-performance trace tool
- Data logger functions
- Configuration of the **OPC servers**

