moduWeb500 BACnet web server

Areas of application:
The moduWeb500 BACnet web server is the hardware platform for the moduWeb Vision software.
moduWeb Vision enables several automation devices to be operated in one BACnet network using a standard web browser, and forwards alarms by either e-mail or text message.
Fitted on a top-hat rail (EN 60715) in either a cabinet or an IT rack.
Choice of power supply: either low voltage (24 V AC) via screw terminals or 10–35 V DC using a plug-in power unit.

Performance features:
- Communication with the connected automation stations and field devices via open communication protocol BACnet/IP based on Ethernet according to EN ISO 16484-5.
- Operating status indicated by LED in three colours
- Memory can be extended up to 32 GB using an SD-HC card. To protect against theft, the card is not visible from the outside and not accessible.
- USB connection for external storage media.
- Network protected by integrated firewall.
- moduWeb Vision is installed, updated, engineered and put into service using SAUTER CASE Suite.
- Additional parameterisation is possible via the web interface.
- Pulsed watchdog output (open collector) for switching to external monitoring devices.
- Interruptions to the power supply of less than 20 ms are bridged without restarting or loss of data.
- In the event of a power failure, the internal clock is run on a back-up battery. There is no load on the back-up battery as long as there is a power supply.
- The application data and parameterisation are stored permanently in the flash memory.

Technical data:
- Electrical supply:
  Power supply via screw terminals
  24 V AC/DC
  +/- 20%, 50 - 60 Hz
  Power supply at circular socket 5.5 mm
  10 - 35 V DC
  Power consumption up to 6.5 VA / 5.5 W
  Back-up battery
  CR2032
- Interfaces and communication:
Ethernet network
1x RJ-45 socket
10/100 BASE-T(X)
10/100 Mbit/s

USB host controller
USB 2.0,
A-type socket

SD card slot
SD-HC to 32 GB

Watchdog
pulse approx. 5 Hz
max. 10 mA
max. 15 V

- Permissible ambient conditions:
  Operating temperature 0...45 °C
  Storage and transport temperature
  -25...+70 °C
  Humidity
  5...85% rh
  (without condensation)

- Installation:
  Top-hat rail in cabinet
  Compact unit in plastic housing
  Dimensions, W x H x D (mm) 133 x 170 x 61

- Standards and directives:
  Protection type IP 20 (EN 60529)
  Protection class III (EN 60730-1)
  Environmental class IEC 60721 3K3
  Low Voltage directive 2014/35/EC
  EN 60730-1,
  EN 60950-1

  CE conformity
  according to EMC Directive 2014/30/EC,
  61000-1,
  61000-2,
  61000-3,
  61000-4

Software class A
EN 60730-1
Appendix H