

# Specification

## PoE

### A. General

- i. The PoE (“Power over Ethernet Switch”) shall be a solid-state device specifically designed as an unmanaged Power over Ethernet network switch.
- ii. There shall be visual indicators on the Power over Ethernet Switch showing status of the Power over Ethernet Switch and its interfaces.
- iii. The Power over Ethernet switch shall support 4 PoE ports.
- iv. The Power over Ethernet switch shall support 1 non-PoE port.
- v. All Ethernet ports of the Power over Ethernet switch shall support automatic MDI/MDI-X configuration.
- vi. The Power over Ethernet Switch shall be provided with a 5 year manufacturer warranty.

### B. Physical

- i. Enclosure and mounting shall comply with DIN43880 and EN60715(35/7.5) respectively.
- ii. The unit shall be a 6 unit DIN enclosure (107.5mm x 90.0mm x 58.0mm).
- iii. The unit shall be entirely solid-state with no moving parts or fans.
- iv. The unit shall operate in a temperature range from 0°C to 50°C (32°F to 122°F).
- v. The unit shall be CE compliant.
- vi. The unit shall be ETL/cETL listed.

### C. Electrical

- i. The Power over Ethernet Switch shall be designed to support the following wire terminations (Camden Electronics CTB9208 5.08mm plug-in rising clamp terminals):
  - a. 3-pin 48V DC Powerand the plug-in rising clamp terminals shall be provided.
- ii. In addition there shall be the following standard connectors:
  - a. RJ45 socket for 10/100Base-TX Ethernet.
  - b. RJ45 socket for 10/100Base-TX Ethernet (IEEE 802.3af) (4).