

NXG-320-CPU

xGen smart power supply, CPU only

Extended capabilities

The NXG-320-CPU is the remote smart power supply for the xGen and xGenConnect control panel range. In sites where additional power is required or where the security system covers multiple buildings or multiple floors within the same building, the xGen NXG-320-CPU offers the perfect solution as it can be used as a power supply unit and/or as an RS-485 bus extension/isolator.

General

The NXG-320-CPU has two auxiliary power outputs (2x 500mA max) and an RS-485 bus power output (max 500mA). The NXG-320-CPU also offers two programmable zone inputs and two programmable SPDT relay outputs. The module has a tamper connector that can be used to supervise the enclosure in which it is mounted. Both the mains power supply and an optional battery can be monitored.

Easy installation and maintenance

The NXG-320-CPU removable terminal blocks allow easy wiring and maintenance. Enrolling and programming the module is done from the control panel. The firmware of the module is upgradeable remotely via DLX900 or locally using the USB flash device.



Details

- Monitored bus power output
- xGen RS-485 isolator
- 2 monitored auxiliary power outputs
- 2 programmable SPDT relay outputs
- Supervised battery connection
- Separate box tamper input
- DIN-rail mountable
- Removable terminals
- Several status LEDs on-board
- Firmware upgrade via USBUP-EUR or DLX900 over the network
- EN50131-1/EN50131-3/EN50131-6 Grade 3 Class II
- INCERT T031

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Technical specifications

Inputs

| | |
|--------------------|--|
| Onboard inputs | 2 |
| Double end-of-line | 3.3K - 6.6K; 4.7K - 9.4K; 4.1K - 8.2K |
| Triple end-of-line | 3.3K - 6.6K; 4.7K - 9.4K - 19.4K; 4.1 - 8.2K - 16.4K |
| Tamper input | Yes |

Outputs

| | |
|----------------|-----------------------------|
| No. of outputs | 2 SPDT relays |
| Rated load | 0.5A / 125VAC or 1A / 24VDC |
| Minimum load | 1mA / 5VDC |
| Maximum load | 1 A / 125VAC or 60VDC |

Communication

| | |
|--------------|-------|
| Databus type | RS485 |
|--------------|-------|

Electrical

| | |
|-------------------------------|--|
| Operating voltage | 16.3Vac/50 Hz, 40VA |
| Power supply value | 230 Vac, +/-10%, 50Hz |
| Current consumption | 52mA (nominal) 90mA (maximum) |
| Auxiliary power | 800 mA max 500 mA per output |
| Battery (optional) | 12Vdc 7Ah, 18Ah |
| Max allowed auxiliary current | 7Ah battery : 480 mA 18Ah battery : 1200 mA |

Physical

| | |
|---------------------|------------------|
| Physical dimensions | 55 x 135 x 80 mm |
| Shipping weight | 0,250 kg |
| Housing | No housing |

Environmental

| | |
|-----------------------|--------------------------------------|
| Operating temperature | 0 to +49°C |
| Storage temperature | -34° to 60°C |
| Relative humidity | 85% relative humidity non-condensing |

Standards & regulation

| | |
|---------------|-------------------------|
| EN50131 Grade | Grade 2 |
| Compliance | CE |
| Certification | EN50131 Grade 2, INCERT |

