

NXG-320-CPU

xGen smart power supply, CPU only

Extending the xGen panel capabilities

The NXG-320-CPU is the remote smart power supply for the xGen 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 (500mA max). 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 up to two batteries can be monitored. The NXG-320-CPU is DIN-rail mountable and can be added into the control panel enclosure or can be installed remotely in a separate enclosure.

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.



Standard Features

- Monitored bus power output
- xGen RS-485 isolator
- 2 monitored auxiliary power outputs
- 2 supervised zone inputs
- 2 programmable SPDT relay outputs
- 2 supervised battery connections
- 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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Specifications

Supply voltage (typical)	230 Vac, +/-10%, 50 Hz
Operating power (nominal)	16.3 Vac/50 Hz, 40 VA or 55VA
Transformer	optional
Current consumption	
Minimum	52 mA
Maximum	90 mA
Battery (optional)	max. 12Vdc/7Ah, 12Ah, 18Ah
Auxiliary power	
40 VA transformer	0.8 A maximum current, max 500 mA per output
55 VA transformer	1.5 A maximum current, max 500 mA per output
Maximum allowed auxiliary current	
No approvals (40VA)	800 mA
Grade 2 - 7Ah (40VA)	480 mA
Grade 2 - 18Ah (40VA)	800 mA
No approvals (55VA)	1500 mA
Grade 3 - 7Ah (55VA)	140 mA
Grade 3 - 18Ah (55VA)	500 mA
Programmable relays	
Rated load	0.5A / 125VAC or 1A / 24VDC
Minimum load	1mA / 5VDC
Maximum load	1 A / 125VAC or 60VDC
End-Of-Line resistor value	
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; 4.1K - 8.2K - 16.4K
Tamper input	Open and pry-off
Operating temperature	0°C to 49°C
Storage temperature	-34°C to 60°C
Relative humidity	up to 85% non-condensing
Dimensions (L x W x H)	55 x 135 x 80 mm
Weight	0.250 kg

Ordering Information

Part No.	Description
NXG-320-CPU	xGen smart power supply, CPU only
NXG-320	xGen smart power supply in plastic enclosure, Grade 2
NXG-320-M	xGen smart power supply in metal enclosure, Grade 3
NXG-001	xGen plastic enclosure, Grade 2
NXG-003-G3	xGen metal enclosure, Grade 3
NXG-003-X	Transformer 40VA for xGen panels and smart power supply
NXG-003-X-G3	Transformer 55VA for xGen smart power supply