1. Description
The NG4 power supply supplies regulated direct voltages for supplying power to the respective devices of the product family of I/O components. The device supplies regulated direct voltage 24 V DC at a power of 16 watts. A parallel operation of several power supply units is not allowed. The secondary voltage can only be tapped at the right side of the plug connector and at the screw-type terminals on the top of the module. The bus communication is looped through on both sides of the plug connectors.

2. Important Notes
Declarations of Conformity
The device was tested according to the applicable standards. Conformity was proofed. The declaration of conformity is available at the manufacturer NETCOM GmbH.

Notes Regarding Device Description
These instructions include indications for use and mounting of the device. In case of questions that cannot be answered with these instructions please consult supplier or manufacturer.

The indicated installation directions or rules are applicable to the Federal Republic of Germany. If the device is used in other countries it applies to the equipment installer or the user to meet the national regulations.

Safety Instructions
Keep the applicable directions for industrial safety and prevention of accidents as well as the VDE rules. Technicians and/or installers are informed that they have to electrically discharge themselves as prescribed before installation or maintenance of the devices.

Only qualified personnel shall do mounting and installation work with the devices, see section "qualified personnel".

The information of these instructions have to be read and understood by every person using this device.

Symbols
Warning of dangerous electrical voltage

Danger
means that non-observance may cause risk of life, grievous bodily harm or heavy material damage.

Qualified Personnel
Qualified personnel in the sense of these instructions are persons who are well versed in the use and installation of such devices and whose professional qualification meets the requirements of their work.

This includes for example:
• Qualification to connect the device according to the VDE specifications and the local regulations and a qualification to put this device into operation, to power it down or to activate it by respecting the internal directions.
• Knowledge of safety rules.
• Knowledge about application and use of the device within the equipment system etc.

3. Technical Data
Input
Operating voltage 110 - 240 V AC, 50 - 60 Hz
Internal fuse T1AL/250 V soldered fuse

Output
Output voltage DC +24 V (SELV)
Output current (max) 700 mA
Output power 16 W
Load and control accuracy ±3% (Tu = 20 °C)

Protection and monitoring
Continuous short circuit protection yes
Idle test yes
Mains failure backup > 40 ms at 230 V AC and full load
Dielectric strength 4000 V AC input/output

Device security
Standard
Conformity was proofed.
The declaration of conformity is available at the manufacturer NETCOM GmbH.

Output
Power Extra Low Voltage (SELV) according EN 60950
Protection class 2

EMV
CE conformity
The device was tested according to the applicable standards; conformity was proofed.
The declaration of conformity is available at NETCOM GmbH.

Contacting
Primary and secondary screw type terminal blocks
Cover no

Type of protection
IP20 (nach EN 60529)

Housing
Dimensions WxHxD 1.968 x 2.756 x 2.559 in. (50 x 70 x 65 mm)
Front dimension 1.772 in. / 45 mm
Weight 108 g
Mounting position any
Mounting standard rail TH35 per IEC 60715
Material
Housing Polyamide 6.6 V0
Terminal blocks Polyamide 6.6 V0
Cover plate Polycarbonate
Mounting in series without space
Type of protection (IEC 60950)
Housing IP40
Terminal blocks IP20

Terminal blocks
Wire cross section max. AWG 12 (4.0 mm²) solid wire
max. AWG 14 (2.5 mm²) stranded wire
Wire diameter min. 0.3 mm up to max 2.7 mm

Temperature range
Operation -10 °C to +55 °C
Storage -25 °C to +85 °C
6. Mounting
Power down the equipment
Mount the module on standard rail (TH35 per IEC 60715 in
junction boxes and/or on distribution panels).
Installation
Electric installation and device termination shall be done by
qualified persons only, by respecting all applicable specifications
and regulations.

Preparing cable for connection.
Strip the wire by 7 mm, attach an end sleeve if necessary, insert
the wire into the contact and tighten the terminal screw with a
screwdriver.

7. Termination possibility
• Connection on the right side of the NG4 for voltage feeding and bus tap to the following bus modules (with jumper connection for example)
• Connection on the left side of the NG4 transfer of the bus connection by jumper connection. No 24 V DC connection!
• Parallel connection of several NG4 devices is not possible.