

COMMON SPECIFICATIONS NET9000 POWER SUPPLIES

SYSTEM SPECIFICATION

MECHANICAL

Mounting method

Flat panel or DIN-rail

DIN-rail types

'Top hat', 35 x 7.5mm to EN 50022 or 35 x 15mm to EN 50022

ENVIRONMENTAL

Ambient temp

Operating, optimum orientation *

-40°C to +70°C

(except where stated in individual module specifications)

Operating, non-optimum orientation *

-40°C to +50°C

(except where stated in individual module specifications)

Storage

-40°C to +85°C

Relative Humidity

5 to 95% RH (non-condensing)

Vibration - Operating, Storage & Transport

Sinusoidal Vibration EN 60068-2-6	10-500 Hz. 5 g for surface mounting, 1 g for DIN-rail mounting
Random Vibration BS2011:Part 2.1	20-500 Hz 5 g for surface mounting 1 g for DIN-rail mounting

Shock - Storage & Transport

EN 60068-2-32	1 m drop onto flat concrete
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Shock - Operating

EN 60068-2-27	30 g peak acceleration with 11 ms pulse width
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Ingress Protection

IP20 to BS EN 60529

(Additional protection by means of enclosure).

Corrosive atmospheres:

Designed to meet ten year service in Class G3 corrosive environment, as defined by ISA Standard SP71.04.

ELECTRICAL

EMC compliance

To EN61326:1998 Electrical equipment for measurement, control and laboratory use - EMC requirements.

Electrical safety

EN 61010-1

HAZARDOUS AREA APPROVALS

Location of equipment

Safe area or Class 1, Div 2, Groups A-D, T4 hazardous location or Zone 2, IIC T4 hazardous area.

Location of field wiring

See individual data sheets.

PHYSICAL NETWORK

IEC61158-2

FOUNDATION Fieldbus H1

Profibus PA (9121-IS and 9122-IS only)

TERMINALS (PLUGGABLE)

Rising cage clamp screw terminals

Specify -PS

Conductor size: 0.14 to 2.5mm²

Spring clamp terminals

Specify -PC

Conductor size: 0.14 to 2.5mm²

FIELDBUS TERMINATOR

Host side

Selectable by switch on top of unit

NI/IS side

Permanently connected terminator

HOST SIDE POWER (selectable by switch on top of unit)

Voltage

14V

Current

0 to 30mA

Output ripple

Complies with clause 22.6.2 of the fieldbus standard

Minimum load

No load

Maximum cable length

Determined by host side load

Terminal numbering

Host side		NI/IS connection	
1	Power Supply No 1 + ve	7	NI/IS fieldbus trunk +ve
2	Power Supply 0V	8	NI/IS fieldbus trunk shield
3	Power Supply No 2 +ve	9	NI/IS fieldbus trunk -ve
4	Fieldbus trunk -ve		
5	Fieldbus trunk shield		
6	Fieldbus trunk +ve		

ORDERING INFORMATION

Model No.	Description
9111-NI-PC	FNICO power supply, IIC, with spring clamp terminals
9111-NI-PS	FNICO power supply, IIC, with screw terminals
9112-NI-PC	FNICO power supply, IIB, with spring clamp terminals
9112-NI-PS	FNICO power supply, IIB, with screw terminals
9121-IS-PC	FISCO power supply, IIC, with spring clamp terminals
9121-IS-PS	FISCO power supply, IIC, with screw terminals
9122-IS-PC	FISCO power supply, IIB, with spring clamp terminals
9122-IS-PS	FISCO power supply, IIB, with screw terminals
9321-SC	Spur Connector - Entity (for use with 9121-IS)
9322-SC	Spur Connector - Ex ia
9323-SC	Spur Connector - Entity (for use with 9122-IS or 9121-IS)

The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.



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EPS9000 RevD 010410