

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6EP1334-2BA20

SITOP REGULATED POWER SUPPLY

Used with the applicable PLC System configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official manufacturer documentation

Overview



SINAUT MD720-3 GSM/GPRS modem

The SINAUT MD720-3 GSM/GPRS modem transmits the text messages into the GSM network of the mobile radio operator. By inserting the appropriate SIM card into the SINAUT MD720-3 GSM/GPRS modem, it is possible to freely select the required mobile radio operator.

With Easy Message the SINUMERIK 828D BASIC/828D CNCs provide a means of transmitting process data using text messages (SMS). This makes it possible to send messages to various mobile phones of the operating and maintenance personnel to notify them, for example, of the workpiece counter reading or the fact that a tool has reached its wear limit.

Benefits

- Rugged GSM modem for industrial use
- High-quality signal transmission thanks to powerful external antenna
- Simple mounting on standard mounting rails in the control cabinet or operator panel housing

Design

The SINAUT MD720-3 GSM/GPRS modem features the following interfaces as standard:

- 9-pin Sub-D socket for connection to the CNC (RS232C interface)
- 4-pin screw terminal for connection to a 24 V DC supply voltage
- SMA antenna connection socket for GSM/GPRS antenna
- Slot for inserting a GSM SIM card

The SINAUT MD720-3 has diagnostic LEDs for modem status, field strength and connection control.

Easy Message provides the following functions:

- Input of PIN number
- Configuration of user profiles
- Display of modem status and field strength
- Generation of outgoing text messages (SMS)
- Processing of incoming text messages (SMS)
- Visualization of transmission protocol

Integration

The SINAUT MD720-3 GSM/GPRS modem can be used for the following CNCs:

- SINUMERIK 828D BASIC
- SINUMERIK 828D

The following components can be connected:

- Modem cable for RS232C interface
- SINAUT ANT 794-4MR antenna

Technical specifications

Article No.	6NH9720-3AA00
Product brand name	SINAUT
Product type designation	MD720-3 GSM/GPRS modem
Supply voltage at DC	24 V
Power loss	
• Typical	5 W
Transfer rate for	
• GSM transmission	9600 bit/s
Interfaces	
• RS232C	9-pin sub D socket connector
• Antenna	SMA antenna socket (50 Ω)
Degree of protection	IP40
Relative humidity at 25 °C, max.	95 %
Ambient temperature, during	
• storage	-25 ... +85 °C
• transport	-25 ... +85 °C
• operation	-20 ... +60 °C
Width	22.5 mm
Height	99 mm
Depth	114 mm
Net weight	150 g
Certificate of suitability	You will find the latest approvals on the Internet at www.siemens.com/simatic-net/ik-info

Selection and ordering data

Description	Article No.
SINAUT MD720-3 GSM/GPRS modem	6NH9720-3AA00
SINAUT ANT 794-4MR antenna	6NH9860-1AA00
Modem cable	6NH7701-5AN
For RS232C interface Length: 2.5 m	

More information

You can find additional information on the Internet at:

www.siemens.com/industrymall

CNC controls

Supplementary components

SITOP smart power supply

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Overview

The 24 V power supply units from the SITOP range are optimized for industrial use and operate on the switched-mode principle. Due to the precisely regulated output voltage, the devices are even suitable for the connection of sensitive sensors. Different versions are available depending on the output current and field of application.

SITOP smart

SITOP smart does not require much space on the standard mounting rail and offers a high level of functionality.

Thanks to the extra power, 1.5 times the rated current for 5 seconds, large loads can also be switched on without any problems.

Benefits

- High efficiency
- Narrow width and easy installation
- Exact output voltage and low residual ripple
- Integrated short-circuit protection and safe electrical separation
- National and international approvals
- No release of silicone

Selection and ordering data

Description	Article No.
SITOP smart PSU100S 24 V DC/10 A, 1-phase Input voltage: 120 V/230 V AC (85 ... 132 V/170 ... 264 V AC)	6EP1334-2BA20
SITOP smart PSU100S 24 V DC/20 A, 1-phase Input voltage: 120 V/230 V AC (85 ... 132 V/170 ... 264 V AC)	6EP1336-2BA10
SITOP smart PSU300S 24 V DC, 3-phase Input voltage: 400 ... 500 V 3 AC (340 ... 550 V 3 AC)	
• 10 A	6EP1434-2BA10
• 20 A	6EP1436-2BA10

More information

You can find additional information in Catalog KT 10.1 or on the Internet at:

www.siemens.com/industrymall

www.siemens.com/sitop

Technical specifications

Article No.		6EP1334-2BA20	6EP1336-2BA10	6EP1434-2BA10 6EP1436-2BA10
Product brand name		SITOP smart	SITOP smart	SITOP smart
Product type designation		PSU100S stabilized power supply	PSU100S stabilized power supply	PSU300S stabilized power supply
Rated output voltage at DC	V	24	24	24
Total tolerance, static ±	%	3	3	3
Line frequency range	Hz	47 ... 63	47 ... 63	47 ... 63
Degree of protection		IP20	IP20	IP20
Humidity class according to EN 60721		Climate class 3K3, no condensation	Climate class 3K3, no condensation	Climate class 3K3, no condensation
Ambient temperature, during				
• storage	°C	-40 ... +85	-40 ... +85	-40 ... +85
• transport	°C	-40 ... +85	-40 ... +85	-40 ... +85
• operation	°C	-25 ... +70	0 ... 70	0 ... 70
Width	mm	70	115	90
Height	mm	125	145	145
Depth	mm	120	150	150
Net weight	kg	0,8	2,4	1,6
Certificate of suitability		CB, cCSAus, CE, cULus	CB, cCSAus, CE, cULus	CB, cCSAus, CE, cULus

Overview


SENTRON PAC3200 Power Monitoring Device



SENTRON PAC4200 Power Monitoring Device

The 7KM PAC Power Monitoring Devices ensure precise, reproducible and reliable measurement of energy values for infeed, outgoing feeders or individual loads. The measuring devices not only supply comprehensive information about your electrical installation and power distribution system, but also provide important measured values to help you assess the status of your system and the power quality. For further processing of the measured data, the devices can easily be integrated into higher-level automation and energy management systems.

The devices can be used for both single-phase and multi-phase measurements in 3- and 4-conductor power supply systems (TN, TT, IT).

Benefits

- Simple mounting and commissioning
- High IP65 degree of protection (front side, when installed) permits usage in extremely dusty and wet environments
- Intuitive operation using 4 function buttons and multilingual plain text displays
- Easy to adapt to different systems using integrated and optional
 - Digital inputs and outputs
 - Communication interfaces
- Global application
 - At least 8 languages
 - International approvals
 - Developed and tested in accordance with European and international standards
- Low mounting depth

Selection and ordering data

Description	Article No.
SENTRON PAC3200 Power Monitoring Device With screw terminals Records 50 measured values	7KM2112-0BA00-3AA0
SENTRON PAC4200 Power Monitoring Device With screw terminals Records 200 measured values	7KM4212-0BA00-3AA0

More information

More information is available in the Siemens Industry Mall or on the Internet at:

www.siemens.com/industrymall

www.siemens.com/lowvoltage/powermonitoring

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