MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Amikon cover with selected official Siemens pages

AS-INTERFACE

3RX9501-1BA00

AS-INTERFACE 3 A POWER SUPPLY

OFFICIAL SOURCES

Siemens official product documentation for 3RX9501-1BA00. Selected pages retain their original content, color and aspect ratio.

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Data sheet 3RX9501-1BA00

Figure similar

AS-i Power 3 A 24 V DC AS-Interface power supply unit, IP20 IN: 24 V DC OUT: AS-i, 3 A (30 V DC), IP20 with integrated ground fault detection, with integrated overload detection with AS-i data decoupling

General technical data		
Type of device		AS-Interface power supply unit IP20
version		single output
Additional function		integrated ground-fault detection, remote reset and remote indication
input voltage at DC	V	24
Inputs		
input voltage at DC	V	20 ... 29
input		
● Mains buffering time at Ia rated min		10 ms
● input voltage built-in		T 8 (not accessible)
Connections input		spring-loaded terminal connection input (0.2 ... 2.5 mm2)/ diagnosis (0.14 ... 1.5 mm2)
Outputs		
output		
● DC-voltage controlled floating according to AS-Interface spezification		yes
● voltage rated value Ua rated DC		30 V
● tolerance total DC	V	29.5 ... 31.6
● rated current Ia rated		3 A
● residual ripple peak-to-peak (0-10 kHz, AS-i+/AS-i-) max	mV	300
● spikes peak-to-peak (10-500 kHz, AS-i+/AS-i-) max	mV	50
Connections Output		spring-loaded terminal connection output (0.2 ... 2.5 mm²)/ diagnosis (0.14 ... 1.5 mm²)
Efficiency/ heat loss		
Efficiency at Ua rated, Ia rated	%	84
power loss [W] maximum	W	17.8
Protective and monitoring functions		
Output overvoltage protection		yes (< 35V)
Current limitation from min.		3.5 A
Short-circuit protection		yes
Safety related data		
protection class (EN 60 950/IEC 950)		III
Electrical isolation primary/secondary		ES1 according EN 62368-1 (for products until end of 2020: SELV according to EN 60 950 and EN 50 178)
protection class IP		IP20
Electromagnetic compatibility		
electromagnetic compatibility (EMC)		
● interference immunity		EN 61 000-6-2, EN 61 000-4-2/-3/-4/-5/-11
● emitted interference		class B according to EN 55 022, IEC 61 000-6-3

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Ambient conditions		
ambient temperature		
● during operation	°C	-10 ... +70
● during storage	°C	-25 ... +80
humidity rating		climatic class DIN 50010, relative humidity max. 100% without condensation
fastening method		fixing on standard mounting rail DIN EN 59 022-35 x 7.5 mm snap-on
width	mm	50
height	mm	125
depth	mm	125

Environmental footprint		
Environmental Product Declaration(EPD)		Yes
global warming potential [CO2 eq] total	kg	785
global warming potential [CO2 eq] during manufacturing	kg	20.7
global warming potential [CO2 eq] during sales	kg	0.127
global warming potential [CO2 eq] during operation	kg	763
global warming potential [CO2 eq] after end of life	kg	0.565

Certificates/ approvals

General Product Approval					EMV
CSA	UKCA	CE EG-Konf.	UL	EAC	RCM

EMV	Maritime application	other			Environment
KC	PRS	产品合格 QC PASS	Confirmation	Miscellaneous	EPD

Environment	Industrial Communication
Environmental Con-firmations	ASi

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RX9501-1BA00
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9501-1BA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RX9501-1BA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9501-1BA00&lang=en

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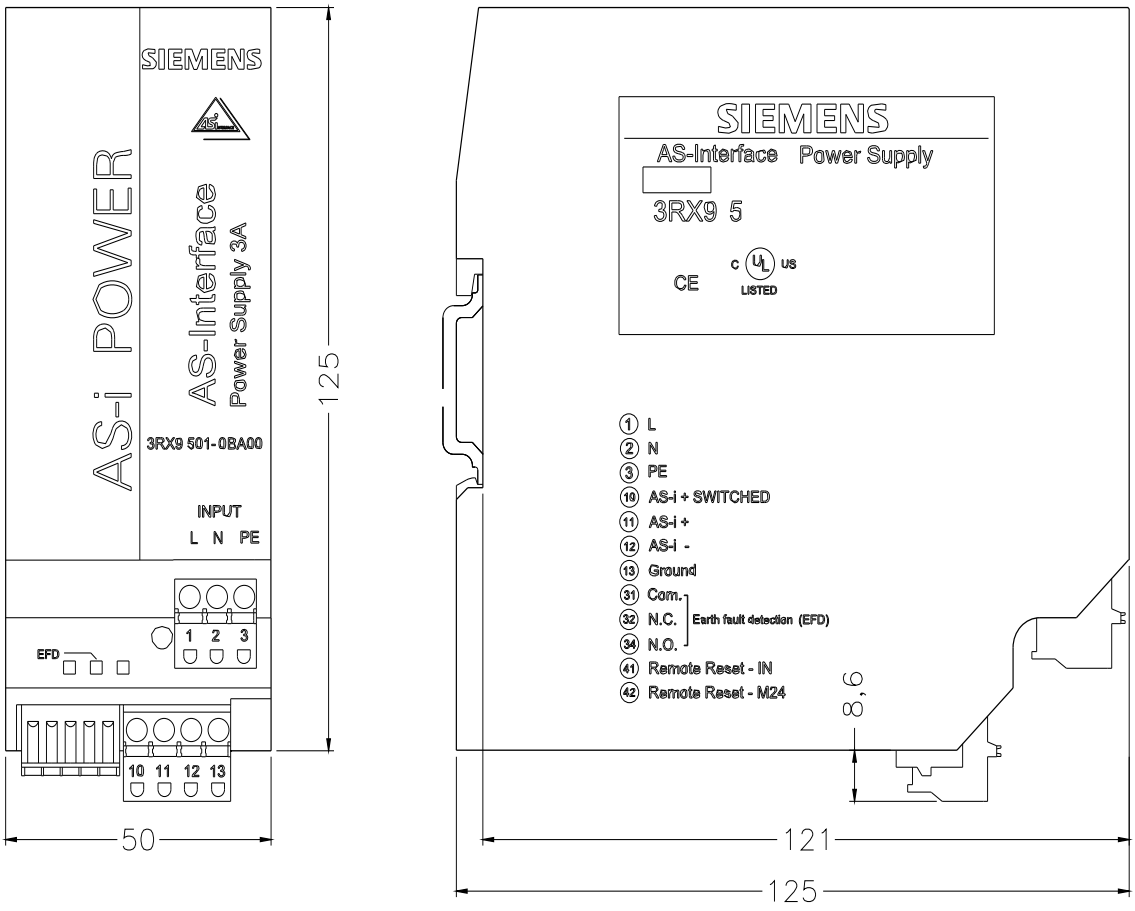

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