



AS-i Power 3A 120 V/230 V AC AS-Interface power supply unit, IP20 IN: 120 V / 230 V AC 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 nominal value AC		
• range 1	V	120
• range 2	V	230
Inputs		
input recommended circuit breaker (IEC 898) in the main supply line		6 A, characteristic C
input voltage range		
• voltage range 1 AC	V	85 ... 132
• voltage range 2 AC	V	176 ... 253
input		
• Mains buffering time at I _a rated min		20 ms
• line frequency		50/60 Hz
• Mains frequency range	Hz	47 ... 63

<ul style="list-style-type: none"> • range changeover using • input voltage built-in 		Changeover switch on device T 3.15 (not accessible)
Connections input		spring-loaded terminal connection input (0.2 ... 2.5 mm ²)/ diagnosis (0.14 ... 1.5 mm ²)

Outputs

output		
<ul style="list-style-type: none"> • DC-voltage controlled floating according to AS-Interface specification • voltage rated value U_a rated DC • tolerance total DC • rated current I_a rated • residual ripple peak-to-peak (0-10 kHz, AS-i+/AS-i-) max • spikes peak-to-peak (10-500 kHz, AS-i+/AS-i-) max 	V	yes 30 V 29.5 ... 31.6 3 A
	mV	300
	mV	50
Connections Output		spring-loaded terminal connection output (0.2 ... 2.5 mm ²)/ diagnosis (0.14 ... 1.5 mm ²)

Efficiency/ heat loss

Efficiency at U_a rated, I_a rated	%	84
Power loss [W] maximum	W	14.4

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)		I
Electrical isolation primary/secondary		SELV according to EN 60 950 and EN 50 178
Protection class IP		IP20

Electromagnetic compatibility







electromagnetic compatibility (EMC)		
<ul style="list-style-type: none"> • interference immunity • emitted interference 		EN 61 000-6-2, EN 61 000-4-2/-3/-4/-5/-11 class B according to EN 55 022, IEC 61 000-6-3

Ambient conditions

Ambient temperature		
<ul style="list-style-type: none"> • during operation • during storage 	°C	-10 ... +70 -25 ... +80
humidity rating		climatic class DIN 50010, relative humidity max. 100% without condensation
Mounting type		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

Certificates/ approvals

General Product Approval		EMC	Declaration of Conformity	Shipping Approval
				
CSA	UL		RCM	EG-Konf.
				
				ABS

Shipping Approval	other			
				Confirmation
LRS	PRS	RINA	ASi	Miscellaneous

Further information

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=3RX9501-0BA00>

Cax online generator

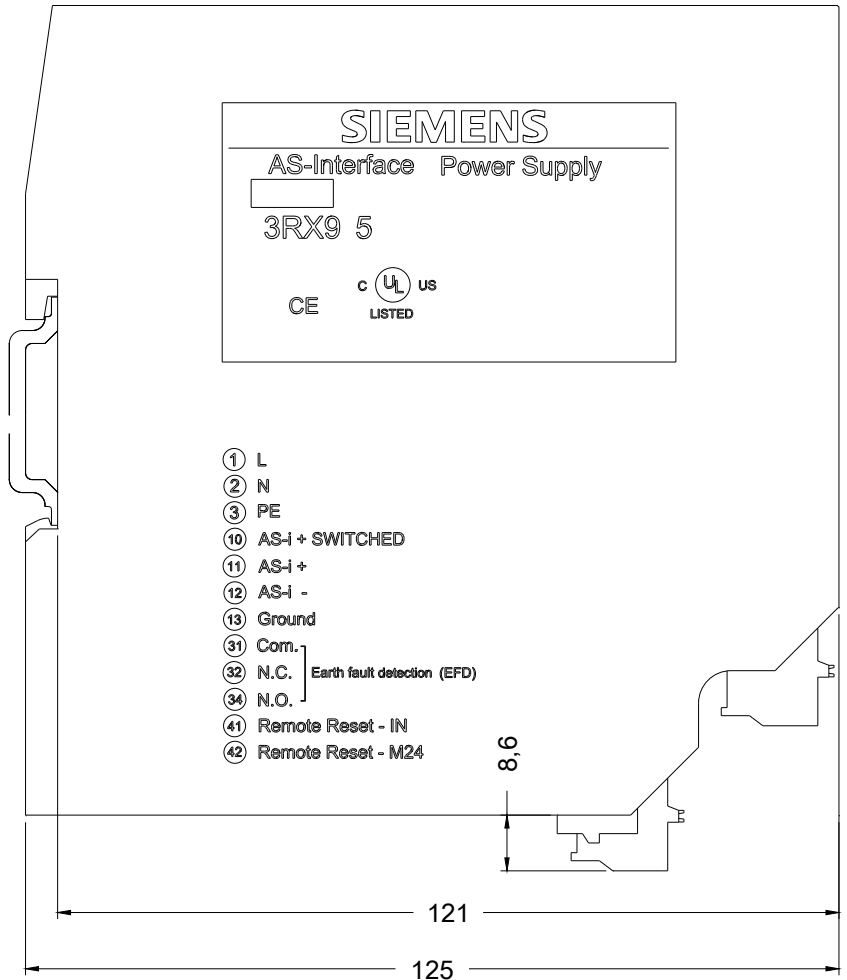
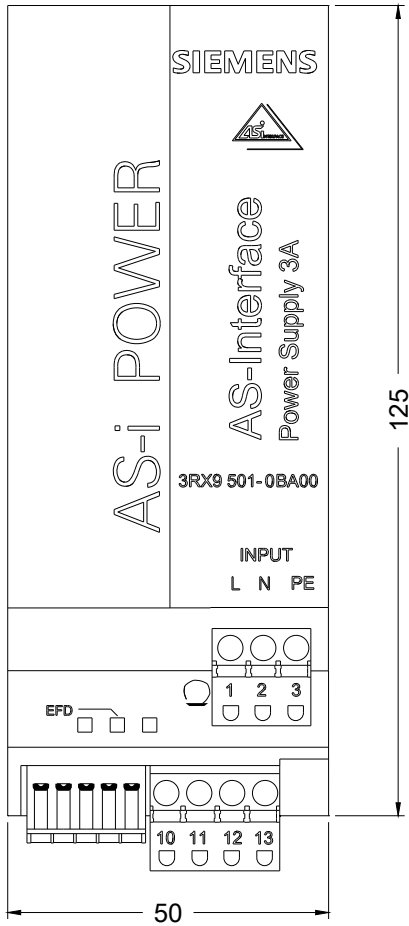
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9501-0BA00>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RX9501-0BA00>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9501-0BA00&lang=en



- ① L
- ② N
- ③ PE
- ⑩ AS-i + SWITCHED
- ⑪ AS-i +
- ⑫ AS-i -
- ⑬ Ground
- ⑳ Com. } Earth fault detection (EFD)
- ㉑ N.C. }
- ㉒ N.O. }
- ㉓ Remote Reset - IN
- ㉔ Remote Reset - M24

last modified:

09/24/2020