



AS-i Power 5A 120 V/230 V AC AS-Interface power supply unit, IP20 IN: 120 V / 230 V AC OUT: AS-i, 5 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
• range changeover using		Changeover switch on device
• input voltage built-in		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		
• DC-voltage controlled floating according to AS-Interface specification		yes
• voltage rated value U _a rated DC		30 V
• tolerance total DC	V	29.5 ... 31.6
• rated current I _a rated		5 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 mm ²)/diagnosis (0.14 ... 1.5 mm ²)
Efficiency/ heat loss		
Efficiency at U _a rated, I _a rated	%	87
power loss [W] maximum	W	25.2
Protective and monitoring functions		

Output overvoltage protection		yes (< 35V)	
Current limitation from min.		5.5 A	
Short-circuit protection		yes	
Safety related data			
protection class (EN 60 950/IEC 950)		I	
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 • 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 • during operation • during storage	°C °C	-10 ... +70 -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	70	
height	mm	125	
depth	mm	125	
Certificates/ approvals			
General Product Approval	EMC	Declaration of Conformity	Shipping Approval



Shipping Approval

other



[Confirmation](#)

other

[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=3RX9502-0BA00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9502-0BA00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RX9502-0BA00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9502-0BA00&lang=en

