



General technical data:

product brand name		SIPLUS ECC8000
Product designation		SYS-102A
Product component / load outputs		Yes
Number of load outputs		1
Number of interfaces / to IEC 61851		1
charging current	A	13 / 32
Product description		Prefabricated function unit for installation in simple charging column
Product function / power measurement		Yes
Number of power measuring points		1
Degree of pollution		2 (requirement on cabinet)
Protection class IP		IP00
Overvoltage class		2
FI type		Type A
Installation altitude / at a height over sea level / maximum	m	1,000
Ambient temperature / during storage	°C	-20 ... +60
Ambient temperature / during operating	°C	-5 ... +45
Ambient temperature / during transport	°C	-20 ... +60
Relative humidity / during operating phase / maximum	%	95

Product component / Heating		Yes
Product function / Overvoltage protection		No

Inputs:

Type of / supply voltage		AC
Operating voltage / for AC / rated value	V	400
Input voltage	V	360 ... 440
Line frequency / 1 / nominal value	Hz	50
Insulation voltage / rated value	V	440
Suitable for operation / for line system		TNS
Current / for AC / rated value	A	35

Outputs:

Phase number / of the outputs		3
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Communication:

Product function / bus-communication		No
protocol / is supported		
• communication to electric vehicle according to IEC 61851		Yes
• Ethernet protocol		No

Electromagnetic compatibility:

Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV / 5 kHz AC supply cables and functional ground, 1 kV / 5 kHz control cables and input/output signals
Conductor-bound parasitic coupling SURGE / according to IEC 61000-4-5		Asymmetrical: supply lines 2 kV, signal lines >30 m 1 kV, evaluation criterion B.
Field-bound parasitic coupling / according to IEC 61000-4-3		80 MHz ... 1 GHz 3 V/m, 1.4 GHz ... 2 GHz 3 V/m, evaluation criterion A; 80 MHz ... 1 GHz 10 V/m evaluation criterion B; 2.0 GHz...2.7 GHz 1 V/m
Electrostatic discharge / according to IEC 61000-4-2		4 kV contact discharge / 8 kV air discharge, evaluation criterion B
Conducted interference as high-frequency radiation / according to IEC 61000-4-6		3 V effective in frequency range 0.15 ... 80 MHz, evaluation criterion A
Magnetic field immunity at power frequencies / to EN 61000-4-8		100 A/m at 50 Hz and 60 Hz, evaluation criterion A
EMC emitted interference / according to IEC 61000-6-3		Suitable for operation in residential, public and industrial environments

Mechanical features:

Shock resistance		
• according to IEC 60068-2-27		15g / 11 ms / 3 shocks / axis
• during transport / to IEC 60068-2-29		1000 shocks / axis, 25g, 6 ms
Vibration resistance		
• during transport / to IEC 60068-2-6		5 ... 500 Hz / 1g / 10 cycles
• during operating phase / to IEC 60068-2-6		5 ... 150 Hz / 1g / 10 cycles

Installation/mounting/dimensions:

mounting position		vertical
Mounting type		screw fixing
Width	mm	240
Height	mm	900
Depth	mm	200
Net weight	kg	12

Certificates/approvals:**Further information:****Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/6FE1086-0SY00-1AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6FE1086-0SY00-1AA0

last change:

Jul 28, 2014