



## QQGQ8.E151273

### Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada - Component

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#### Guide Information

**SIEMENS AG OESTERREICH**

E151273

ELEKRONIK WERK WIEN

SIEMENS STRASSE 88/90

POSTFACH 83

A-1211 VIENNA, AUSTRIA

Model No.	Rated Input		SC	Max Output			OC	SP	EP	FC	GC
	Volts	Hz		V	A	VA					
<b>LOGO! series</b>											
<b>6EP1311-1SH02[*r]</b>											
	100-240ac	50-60	0	5dc	3	18	3	60950	20B	5	2
<b>6EP1311-1SH12[*r]</b>											
	100-240ac	50-60	0	5dc	6.3	31.5	3	60950	20B	5	2
<b>6EP1321-1SH02[*r]</b>											
	100-240ac	50-60	0	12dc	1.9	22.8	3	60950	20B	5	2
<b>6EP1322-1SH02[*r]</b>											
	100-240ac	50-60	0	12dc	4.5	54	3	60950	20B	5	2
<b>6EP1331-1SH02[*r]</b>											
	100-240ac	50-60	0	24dc	1.3	31.2	1,3	60950	20B	5	2
<b>6EP1332-1SH42[*r]</b>											
	100-240ac	50-60	0	24dc	2.5	60	1,3	60950	20B	5	2



	120/230ac	47-63	0	3.3	2.2	65	3	950-95	-	0	1
				5	8	-	3				
				12	1.5	-	3				
<b>6EW1881-3AA(b)[*r]</b>											
	120/240ac	50/60	0	5	10	-	4	220-M91	-	0	0
				12	3	-	4				
<b>6EW1881-4AA(b)[*r]</b>											
	120/230ac	50/60	0	5	25	-	4	220-M91	-	0	1
				12	3	-	4				
				28	0.32	-	4				
				100	0.4	-	4				
<b>6EW1881-6AA(+)[*r]</b>											
	120/230ac	47-63	0	12	2.5	79	3	234-M90	2	2	1
				5	10	91.35	3				
<b>6EW1881-7AA</b>	120/230ac	47-63	0	12	2	-	3	1950	2	2	1
				5	13	-	3				
				3.3	5	-	3				

[\*r] - Output values are rated.

(\*\*) - Complementary Recognized to EPBU2.

(+) - Output power measured in watts.

(b) - Output not evaluated for continuous operation at values specified.

Marking: Company name and model designation.

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## QQGQ8.GuideInfo

### Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada - Component

#### [Power Supplies Certified for Canada - Component] Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada - Component

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

This category covers component power supplies intended for use in/with information processing and business equipment. End-use products that employ these types of power supplies are covered under Information Technology Equipment Including Electrical Business Equipment Certified for Canada (NWGQ7) in the Electrical Appliance and Utilization Equipment Directory.

This category also covers Recognized Component power supplies that are rebuilt by the original manufacturer or another party having the necessary facilities, technical knowledge and manufacturing skills. Rebuilt power supplies are rebuilt to the extent necessary by disassembly and reassembly using new or reconditioned parts. Rebuilt power supplies are subject to the same requirements as new products.

#### CODES

The following summarizes and defines codes shown in the individual recognitions in addition to those indicated under Power Supplies Certified for Canada (QQAQ8).

Supply Category (SC) - Code identifies the type of supply to which the component is intended to be connected.

SC Categories	Code
Branch circuit power	0
CEC Class 2	1
Isolated extra low voltage (ELV)*	3
Isolated secondary circuit	4
Limited energy isolated secondary circuit	5
Centralized DC	6

Maximum Voltage (Max V) - The maximum output voltage under any resistive loading condition is indicated in volts peak.

Maximum Amperes (Max A) - The maximum output current under any resistive loading condition is indicated in amperes rms.

Maximum Volt (Max VA) - The maximum output volt-amperes under any resistive loading condition is indicated in volt-amperes rms.

Output Category (OC) - Each output is identified to indicate the type of output.

<b>OC Categories</b>	<b>Code</b>
Branch circuit power	0
CEC Class 2	1
Isolated extra low voltage (ELV)*	2
Isolated safety extra low voltage (SELV)*	3
Isolated secondary circuit	4
*ELV and SELV are defined in CAN/CSA C22.2 No. 234 or CAN/CSA C22.2 No. 950 or CAN/CSA C22.2 No. 60950 .	

Spacings (SP) - The standard used in judging spacings (or creepage and clearance distances) is indicated by the Standard No.

External Protection (EP) - Tests on the component were conducted with the primary protected by external overcurrent protection.

<b>EP Categories</b>	<b>Code</b>
Specified current rating, branch protection	@B
Specified current rating, time delay fuse	@T
Specified current rating, not branch protection	@
(@) - Indicates current rating of protection in amperes	

Field Connections (FC) - Code indicates whether supply and output connections have been investigated for field connections.

<b>FC Categories</b>	<b>Code</b>
Supply and output not investigated for FC	0
Supply not investigated for FC	1
Output not investigated for FC	2
Supply suitable for FC (+)	3
Output suitable for FC (+)	4
Supply and output suitable for FC (+)	5
Supply suitable for FC (++)	6
Output suitable for FC (++)	7
Supply and output suitable for FC (++)	8
(+)- Employs pressure wire terminals or terminal block suitable for field wiring.	

(++) - Employs a connector, or a cord terminating in a connector.

Grounding Connection (GC) - Units with functional grounding connections (no safety grounding connection) shall have dead metal parts bonded to the end-product grounding means.

GC Categories	Code
Only functional grounding provided	0
Provided with safety grounding connection	1
Double insulated product	2

### ADDITIONAL INFORMATION


For additional information, see Power Supplies Guide QQAQ8.

### REQUIREMENTS

The basic standards used to investigate products in this category are CAN/CSA C22.2 No. 234, or CAN/CSA C22.2 No. 234 along with CSA Electrical Bulletin 1402C, "Component Power Supplies," or CAN/CSA C22.2 No. 950, "Standard for Safety of Information Technology Equipment" or CAN/CSA C22.2 No. 60950, "Standard for Safety of Information Technology Equipment."

### UL MARKING

Products Recognized under UL's Component Program are identified by markings consisting of the manufacturer's identification and catalog, model or other product designation. In addition, component products of this category which are produced under the UL Component Recognition Program also bear the Recognized Component Mark for

Canada .

Rebuilt products are additionally marked "Rebuilt," "Remanufactured" or "Reconditioned" preceding the product designation.

The Listing or Classification Mark of Underwriters Laboratories Inc. is not authorized for use on, or in connection with, Recognized Components. Only those components which actually bear the "Marking" should be considered as being covered under the Component Recognition Program.

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