

## How to verify if a PULS product is approved for NEC Class 2 - Guideline -

NEC CLASS 2 is only a parameter and not a standard by itself. Therefore, no individual certificate exists for the NEC CLASS 2 approval. PULS uses the limited power circuits (LPS) of the IEC/UL/EN 60950-1 for testing the compliance with the NEC CLASS 2 requirements.

NEC CLASS 2 verification can be found in two documents. If you find NEC CLASS 2 markings in one of these documents, the unit is approved for this parameter.

- a) Download the CB-Scheme report from our Website and search for "NEC" or "Limited Power Source" Info: An output rated according to "Limited Power Source" is one of the options for building NEC CLASS 2 circuits.
- b) UL database:
  1. Open the UL 60950 database through our "Approvals" section in the individual product page



2. Look for the desired product and check if there is a "1" in the "OC" column.

Model No.	Voltage	Rated Input		Max Output							
		Wa	SC	V	A	VA	OC	SP	EP	FC	GC
B954R2, SL10.503	100-120V/ 210-240Vac	50-60	0	24-28dc	10	240	3	60950-1	20	5	1
AD-296.100.20-01	36-72dc	-	6	24.5	9.6	230	3	1950	-	0	1
AN-310, BHR601.014	-40-75dc	-	6	5.2	36	180	3	1950	15	0	1
				12	33	33	3				
				3.4	36	133	3				
				-12	3	33	3				
				-60	3.6	212	3				
AN-312, BHR601.013	-40-75dc	-	6	5.2	26	132	3	1950	15	0	1
	200-240ac										
CS3.KXX-XX, where XX represents the output voltage and can be 24 up to 28; X indicates a non safety relevant feature of the product and can be any alpha numerical character or be blank. [*]											
CS5.KXX-XX, SDR32[*]	100-240ac	55-60	0	28dc	2.8	144	3	60950-1	20	5	1
CS5.KXX-XX, SDR32[*]	100-120; 200-240ac	50-60	0	24-28dc	6-5.1	144	3	60950-1	20	5	1

3. The explanation of "OC" = "1" can be found when you click on: [See General Information for Power Supplies, Information Technology Equipment Including Electrical Business Equipment - Component](#) You'll find this link on top of the UL page.

DC Categories	Code
NEC Class 1	0
NEC Class 2	1
Isolated extra-low voltage (ELV)*	2
Isolated safety extra-low voltage (SELV)*	3
Isolated secondary circuit	4
Hazardous voltage (non-ELV or SELV)	5
RFT	6

4. Please contact PULS if you need assistance in verifying a NEC Class 2 approval.