The warning relay's final product's important specification

Product name: the panel warning lights' relay	Code	Document No.:576/0004/1
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R	Important parameters	Value/tolerance	Importance level	Importance reason
1	Physical specifications	No breakage, scratches, deformity, and trauma on a piece; no burr	C	The apparent defect
2	Dimensional specifications	According to the Peugeot map or the map of the Peugeot confirmed producer	B	Assembly ease
3	The jacks' material	110 Hv,CuZn30	B	Strength
4	The jacks' cover	Tin cover of sn4 in accordance with B154210 or silver cover	B	No defect in the humid climate
5	The pins' arrangement	The standard 9600939880 Section 2.3	B	Impact on the assembly
6	Installation	The piece should be able to work in all directions	B	Assuring of the output sound being heard by the driver
7	Function	Sending the audio signal when the circuit is switched off and the light is on or the key has remained in the lock together with the main door key that is connected to the ground	B	Warning to the driver in the case of getting off the vehicle with the lights remained on
8	The consumed current	In the stand-by mode, the warner should have no consumption.	C	Preventing the car battery discharge
9	The function at different voltages	10V<U<16V	B	A proper function despite the car voltage fluctuations
10	Resistance to the temporary 24v overvoltage	Applying a 24v voltage for one minute, the relay can not to have a normal function during the test but after the test, it must have a	C	Resistance to the sudden increase of voltage

		normal function.		
11	Resistance to the temporary 18v overvoltage	Applying a 18v voltage for two hour, the relay can not to have a normal function, but it must not to spread a untimely sonic signal.	C	Resistance to the sudden increase of voltage
12	Resistance to the reverse voltage	12v for 5min, normal function of the relay after the test's completion	C	Preventing from damage in the event of wrong assembly in the vehicle's other sockets
13	Preventing from damage in the event of wrong assembly in the vehicle's other sockets	Normal function during and after applying the voltage P1, P3, N1, N4 Normal function during and after applying the voltage P4,N4	**B**	Preventing from damage caused by applying a voltage produced by dynamo.
14	Stability against the inductive overvoltage	Normal function after the inductive voltage	B	Preventing from the damage caused by applying the voltage produced by the dynamo and engine
15	Dielectric strength	Applying a voltage of 500v, 50Hz for 1min, not to see sparks, perforation, smell of burning during the test and proper function of the piece	C	No damage in the piece if applying the unwanted transient voltages on the relay
16	Mechanical strength of the blades	No distinction in the blades and no mechanical and electrical damage	B	No damage to the blades caused by applying the loads in the assembly and disassembly
17	Vibration resistance	No fracture should be observed after the test and the device must have a normal function	B	Strength and durability of the relay through the installation and using time
18	Impact resistance	Proper function of the piece after the test	B	No damage in the piece if drooped while transportation
19	Function of the piece in the temperature rage	Proper function of the piece	B	The function in different temperature environments
20	Warehousing temperature resistance	10 hours at the +90°c and 1 hour at the -40°c temperature	B	Proper operation of the relay under the variable condition of

				the warehousing
21	Thermal shock resistance	100 thermal cycles at 2 hours; 1 hour at the +85°c and 1 hour at the -30°c temperature	C	Proper function of the relay in the fast changes of ambient temperature
22	Resistance to heat and humidity	1. 15min at +40°c and 24h at +40°c with a 90% humidity; and 1h at 40°c and 2h at 23°c. 2. 4h at 40°c with a 90% humidity through operation and storage at 5°c with 60% humidity.	B	The function in different thermal and humidity environments
23	Salt spray resistance	For 96h in accordance with the standard …	B	Proper operation of the relay in a sultry climate
24	Durability	The functional and thermal cycles in accordance with the standard … paragraph 8	B	High shelf life
25	Testing the assembly	Approving the assembly	A	Ease of assembly and disassembly
Consideration		**Producer**	**Verifier**	

- Every parameter is placed in one of the three categories of A, B, and C, respective to its identified importance.