

Annex no. 1 to Accreditation Certificate no. LI 971
Annex no. 1 Issue Date: 06.10.2022

CONTINENTAL AUTOMOTIVE ROMANIA SRL

through **Qualification Laboratory Timișoara - QL TSR REL**

Timișoara, 1 Siemens Street, Timiș county

A. Tests performed on permanent sites

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
(1)	(2)	(3)	(4)
I	ENVIRONMENTAL TESTING		
A	Temperature tests		
1.	Test Nb: Change of temperature with specified rate of change – Temperature cycling	Road vehicles electrical and electronic components	CA 1012456 IEC 60068-2-14 Nb – Chapter 8: 2009
2.	Test A: Cold – Low temperature storage test	Road vehicles electrical and electronic components	CA 1012456 IEC 60068-2-1 : 2007
3.	Test B: Dry heat - High temperature storage test	Road vehicles electrical and electronic components	CA 1012456 IEC 60068-2-2 : 2007
4.	Temperature step test	Road vehicles electrical and electronic components	CA 1012456 ISO 16750 -4 : 2010
5.	Rapid changes of temperature with prescribed time of transfer – Temperature shock test	Road vehicles electrical and electronic components	CA 1012456 IEC 60068-2-14 Na – Chapter 7: 2009
6.	Ice water submersion test	Road vehicles electrical and electronic components	CA 1012456 ISO 16750 -4 : 2010
B	Climatic tests		
7.	Damp heat, cyclic without frost - Dew formation	Road vehicles electrical and electronic components	CA 1012456 IEC 60068-2-30 Db : 2005
8.	Composite temperature and humidity test	Road vehicles electrical and electronic components	CA 1012456 IEC 60068-2-38 Z/AD : 2021
9.	Damp heat, steady state (damp heat constant)	Road vehicles electrical and electronic components	CA 1012456 IEC 60068-2-78 : 2012 IEC 60068-2-67 : 2019
C	Protection tests (IP)		
10.	Protection test against foreign objects and dust	Road vehicles electrical and electronic components	CA 1012459 ISO 20653 : 2013 EN IEC 60529 : 2013
11.	Protection test against water	Road vehicles electrical and electronic components	CA 1012459 ISO 20653 : 2013 EN IEC 60529 : 2013
D	Corrosive tests (in artificial atmosphere)		
12.	Salt mist test	Road vehicles electrical and electronic components	CA 1012461 IEC 60068-2-11 : 2021
13.	Test Kb: Salt mist, cyclic	Road vehicles electrical and electronic components	CA 1012461 IEC 60068-2-52 : 2017 ISO 9227 : 2017
14.	Chemical load test	Road vehicles electrical and electronic components	CA 1012455 ISO 16750- 5 : 2010
15.	UV test	Road vehicles electrical and electronic components	CA 1012453 DIN 75220 : 1992



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No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
II	MECHANICAL TESTS		
A	Shocks and vibrations		
16.	Test Fc: Vibrations (sinusoidal) Test Fh: Vibrations, broadband random and guidance Test Fi: Vibrations – mixed mode	Road vehicles electrical and electronic components	CA 1012454 IEC 60068-2-6 : 2007 IEC 60068-2-64 : 2019 IEC 60068-2-80 : 2005 ISO 16750-3 : 2012
17.	Mechanical shocks: Test Ea: Shock	Road vehicles electrical and electronic components	CA 1012454 ISO 16750-3 : 2012 IEC 60068-2-27 : 2008
B	Mechanical tests		
18.	Drop test: Test Ed: Free fall	Road vehicles electrical and electronic components	CA 1012458 ISO 16750-3 : 2012 IEC 60068-2-31 - Chapter 5.3: 2008
19.	Tensile and compression test	Road vehicles electrical and electronic components	CA 1012482 IEC 60512-15-6 : 2008

End of document

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