

시험 및 인증 정보 (Test & Certificate)

Tel : +82-2-980-9800 www.anycerti.com info@anycerti.com Prepared by Joe Fledman

LV 124 자동차 시험

LV 124 Electric and Electronic Components in Passenger Cars up to 3.5 t - General Requirements, Test Conditions and Tests

LV 124-1은 3.5t 이하 자동차에 사용되는 전기부품들에 대한 규정이다. 이 표준은 독일 자동차 업체들에 의해 개발되었으며 ISO 7637을 기반으로 만들어졌다.

LV 124-1 표준의 시험은 다음과 같이 구분된다.

전기적 요구사항 및 시험

E-01 long-term overvoltage

E-02 Transient overvoltage

E-03 Transient undervoltage

E-04 Jump start

E-05 Load dump

E-06 Superimposed alternating voltage

E-07 Slow decrease and increase of the supply voltage

E-08 Slow decrease, quick increase of the supply voltage

E-09 Reset behavior

E-10 Short interruptions

E-11 Start pulses

E-12 Voltage curve with intelligent generator control

E-13 Pin interruption

E-14 Connector interruption

E-15 Reverse polarity

E-16 Ground offset

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E-17 Short circuit in signal circuit and load circuits

E-18 Insulation resistance

E-19 Closed-circuit current

E-20 Dielectric strength

E-21 Backfeeds

E-22 Overcurrents

LV124-2는 환경시험으로 LV124-1의 전기시험을 포함한 더 많은 시험 내용을 담고 있다.

기계적 요구사항 및 시험

M-01 Free fall

M-02 Stone chip test

M-03 Dust test

M-04 Vibration test

M-05 Mechanical shock

M-06 Mechanical shock endurance

환경적 요구사항 및 시험

K-01 High/low temperature storage

K-02 Temperature step test

K-03 Low temperature operation

K-04 Repainting temperature

K-05 Thermal shock (component)

K-06 Salt spray test, operating, exterior

K-07 Salt spray test, operating, interior

K-08 Damp heat, cyclic

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K-09 Damp heat, cyclic (with frost)

K-10 Protection against water – IPX0 to IPX6K

K-11 High-pressure/steam-jet cleaning

K-12 Thermal shock with splash water

K-13 Thermal shock immersion

K-14 Damp heat, steady state

K-15 Condensation test with electronic assemblies

K-16 Thermal shock (without housing)

K-17 Solar radiation

K-18 Corrosion test with flow of mixed gas

수명시험

L-01 Life test: mechanical hydraulic endurance test

L-02 Life test: high-temperature endurance test

L-03 Life test: temperature cycle endurance test

*출처: www.anycerti.com