

VEHICLE DRIVEOVER TEST

Section 36

METHOD

Three previously untested samples of the connector, Cat. No. WOER-T1-C-AC40-01, were assembled and wired with the minimum diameter flexible cable they were designed to accommodate.

The devices were placed on a concrete surface in a normal position of rest. A crushing force of 4893N (1100 lbf) was applied by a conventional automotive tire, P225/75R15, mounted on a steel rim and inflated to a pressure of approx. 218 ± 13 kPa (32 ± 2 psi). The wheel was rolled over the connector at a speed of 8 ± 2 kmph (5 ± 1.25 mph). Each device was oriented in a natural resting position before applying the force. The device under test was held or blocked in a fixed position so that it did not move substantially during the application of the applied force. In no case was the force to be applied to the projecting pins.

Immediately following the crushing testing, the devices were then subjected to an alternating current potential of 1500 V for one minute between live parts and exposed surfaces. The samples were wrapped in aluminum foil.

Tested by: _____

Date 2022-05-11

VEHICLE DRIVEOVER TEST (CONT'D):

Section 35

RESULTS

There ~~was~~ [was no] breakage resulting in exposed uninsulated live parts, defeated integrity of the enclosure, interference with the device's intended use, reduction of required spacings, or other evidence of damage that could increase the risk of fire or electric shock.

There ~~was~~ [was no] damage, arcing or dielectric breakdown.

Tire Size	kPa	Distance (m)	Time (Sec)	Speed (km/hr)	Weight (N)
225/75/15	220	--	--	8	5000

Potential Measured Between	Cat. No. WOER-T1-C-AC40-01		
	C11	C12	C13
(1) live parts of opposite polarity	[X] NB	[X] NB	[X] NB
	[] B	[] B	[] B
	[] A	[] A	[] A
	[] D	[] D	[] D
	1500 V	1500 V	1500 V
(2) live parts and the control pilot and/or communication circuits	[ac] ~~det~~	[ac] ~~det~~	[ac] ~~det~~
	60 sec	60 sec	60 sec
	[X] NB	[X] NB	[X] NB
	[] B	[] B	[] B
	[] A	[] A	[] A
(3) live parts, control pilot and ground or dead metal parts	[] D	[] D	[] D
	1500 V	1500 V	1500 V
	[ac] ~~det~~	[ac] ~~det~~	[ac] ~~det~~
	60 sec	60 sec	60 sec
	[X] NB	[X] NB	[X] NB
	[] B	[] B	[] B
	[] A	[] A	[] A
	[] D	[] D	[] D
	1500 V	1500 V	1500 V
	[ac] ~~det~~	[ac] ~~det~~	[ac] ~~det~~
	60 sec	60 sec	60 sec

Lab Conditions:	24.7	°C	55.1	%RH	Date:	2022-05-11
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NB) - No breakdown

(B) - Breakdown. Record breakdown voltage at bottom of page.

(A) - Arcing

(D) - Other damage. Describe at bottom of page.