

Test Report

Report No.: EED32R805568

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Client : Shenzhen WELLAUTO technology CO., LTD
Address : Room 402 & 405, Building C, Fenda High-Tech Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen

Description of the submitted sample(s):

Product : IP67 Fieldbus Series Products
Model/Type reference : AUPN 8A0B, AU EC 8A0B, AU IO 16DIOP-TE,
AU IO 16DIOP-T, AU IO8AIIH-BUS, AU IO 16DION-TE,
AU IO 16DION-T, AUPN 16DIOP
Ratings : DC24V
Test Item : Surges
Power frequency magnetic field
State of Sample(s) : Normal
Sample Quantity : 1pcs
Manufacturer : Shenzhen WELLAUTO technology CO., LTD
Sample Received Date : Apr. 18, 2025
Sample tested Date : Apr. 18, 2025 to Apr. 21, 2025
Test Requested : IEC 61000-4-5:2014+A1:2017, IEC 61000-4-8:2009
And customer requirements

Test Results: Pass.

Compiled by:

Leo Deng

Reviewed by:

Alan - Chen

Approved by:

David Wang

Date of Issue:

Apr. 21, 2025

David Wang

Check No.: 2814160425

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong,
China

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1. TEST SUMMARY

The Product has been tested according to the following specifications:

Standard	Test Item	Test Result
IEC 61000-4-5:2014+A1:2017	Surges	Pass
IEC 61000-4-8:2009	Power frequency magnetic field	Pass

2. TEST MODE DESCRIPTION

Test Mode	Test Status
①	Working

3. SUPPORT EQUIPMENT

No.	Device Type	Brand	Series No.	Model	Data Cable	Power Cord
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4. EQUIPMENT LIST

Shielding Room No. 1_Hongwei-Surges				
Equipment	Manufacturer	Model	Series No.	Due Date
Surge generator	3ctest	SG-5010H	EC5531306	01/13/2026

Shielding Room No. 2_Hongwei-Power frequency magnetic field				
Equipment	Manufacturer	Model	Series No.	Due Date
Compact Generator	EM TEST	UCS500M/6B	V0603101093	03/02/2026
Current Transformer	EM TEST	MC2630	0106-02	01/03/2026
Induction Coil	EM TEST	MS100	0106-47	01/03/2026

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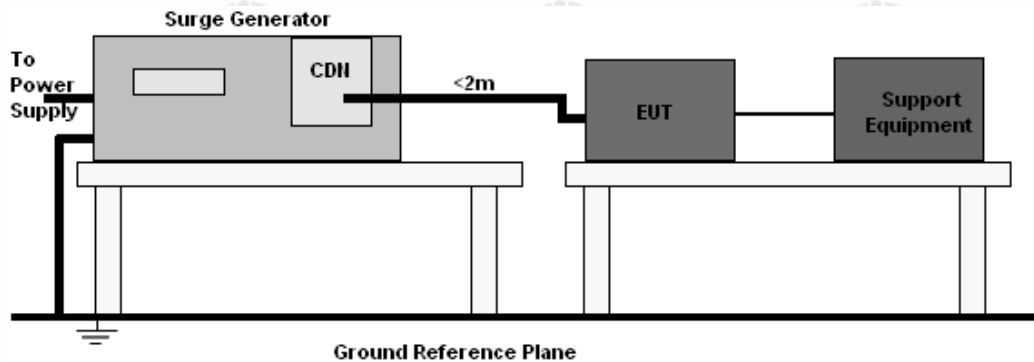
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4.1 SURGES

4.1.1 Test Condition

Test Standard	: IEC 61000-4-5:2014+A1:2017
Test Port	: Input mains power port
Repeat Rate	: 1 pulse / 60s
Evaluation Times / Point	: 5 pulses for each polarity
Wave Spec.	: 1.2/50us & 8/20us

4.1.2 Test Setup



4.1.3 Test Procedure

- The surge is to be applied to the Product power supply terminals via the capacitive coupling network. Decoupling networks are required in order to avoid possible adverse effects on equipment not under test that may be powered by the same lines, and to provide sufficient decoupling impedance to the surge wave.
- The power cord between the Product and the coupling/decoupling networks shall be 2 meters in length (or shorter).

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4.1.4 Test Result

Product	:	IP67 Fieldbus Series Products		
Model/Type reference	:	AUPN 8A0B, AUEC 8A0B, AUIO 16DIOP-TE, AUIO 16DIOP-T, AUIO8AIH-BUS, AUIO 16DION-TE, AUIO 16DION-T, AUPN 16DIOP		
Power	:	DC 24V	Temperature	: 22℃
Mode	:	①	Humidity	: 45%R.H.
Press	:	101kPa		

Coupling	Voltage(kV)	Polarity	Phase Angle	Performance Criterion	Test Result
+ to -	1	±	---	B	A
+ to PE	2	±	---	B	A
- to PE	2	±	---	B	A

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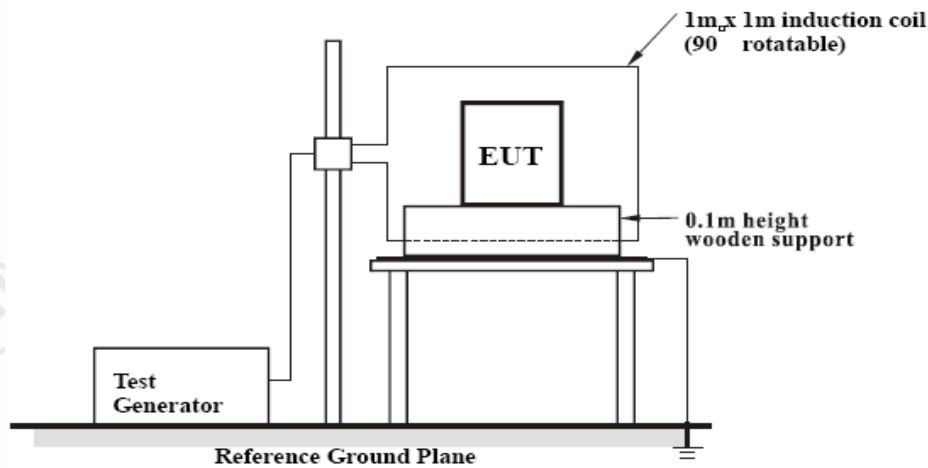
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4.2 POWER-FREQUENCY MAGNETIC FIELDS

4.2.1 Test Condition

Test Standard : IEC 61000-4-8:2009
Test Port : Enclosure port
Power Frequency : 50Hz

4.2.2 Test Setup



4.2.3 Test Procedure

- The Product and support units were located on a table, 0.8m away from ground floor.
- The Product is configured and connected to satisfy its functional requirements. It shall be place on the GRP with the interposition of a 0.1m thickness insulating support (e.g. dry wood)
- Setting the parameter of tests and then perform the test software of test simulator.
- The induction coil shall enclose the Product placed at its centre.

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4.2.4 Test Result

Product	:	IP67 Fieldbus Series Products		
Model/Type reference	:	AUPN 8A0B, AU EC 8A0B, AU IO 16DIOP-TE, AU IO 16DIOP-T, AU IO8AIIH-BUS, AU IO 16DION-TE, AU IO 16DION-T, AUPN 16DIOP		
Power	:	DC 24V	Temperature	: 23℃
Mode	:	①	Humidity	: 50%R.H.
Press	:	101kPa		

Direction	Field Strength(A/m)	Duration(S)	Performance Criterion	Test Result
X axis	30	60	A	A
Y axis	30	60	A	A
Z axis	30	60	A	A

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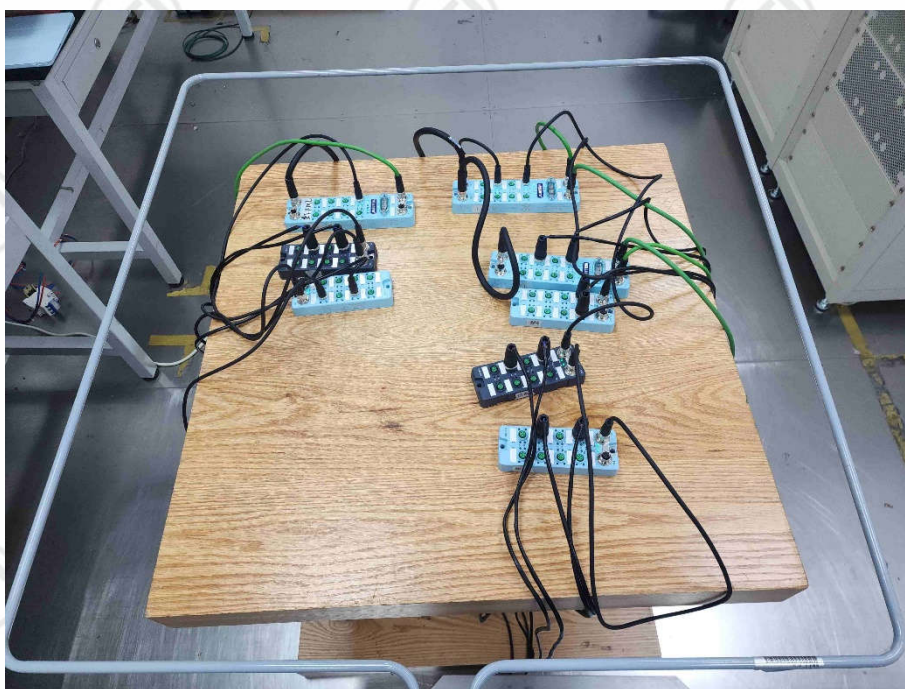
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TEST PHOTO



Surges Test Setup-1



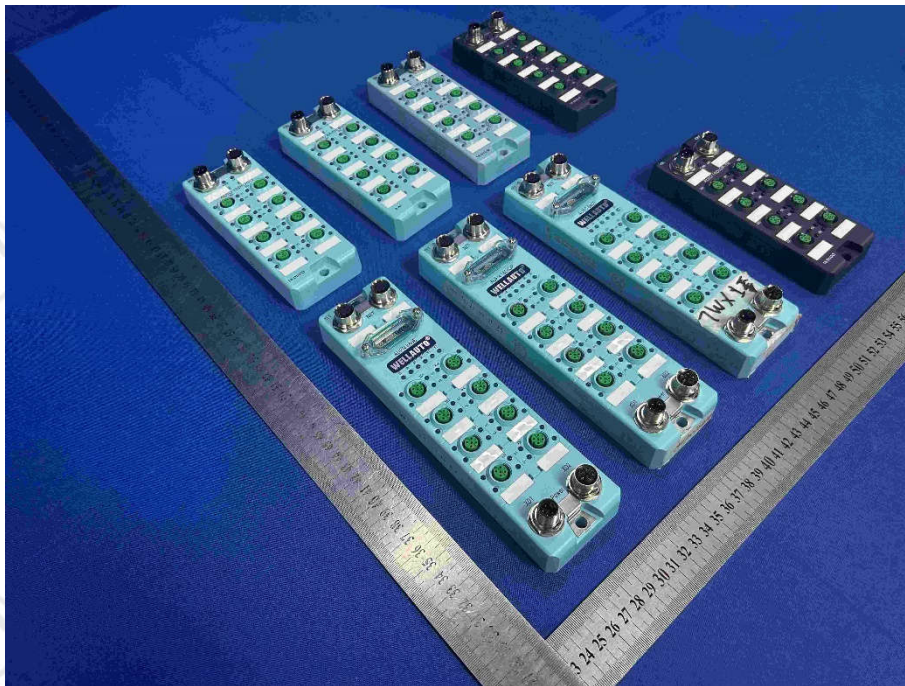
Power frequency magnetic field Test Setup-1

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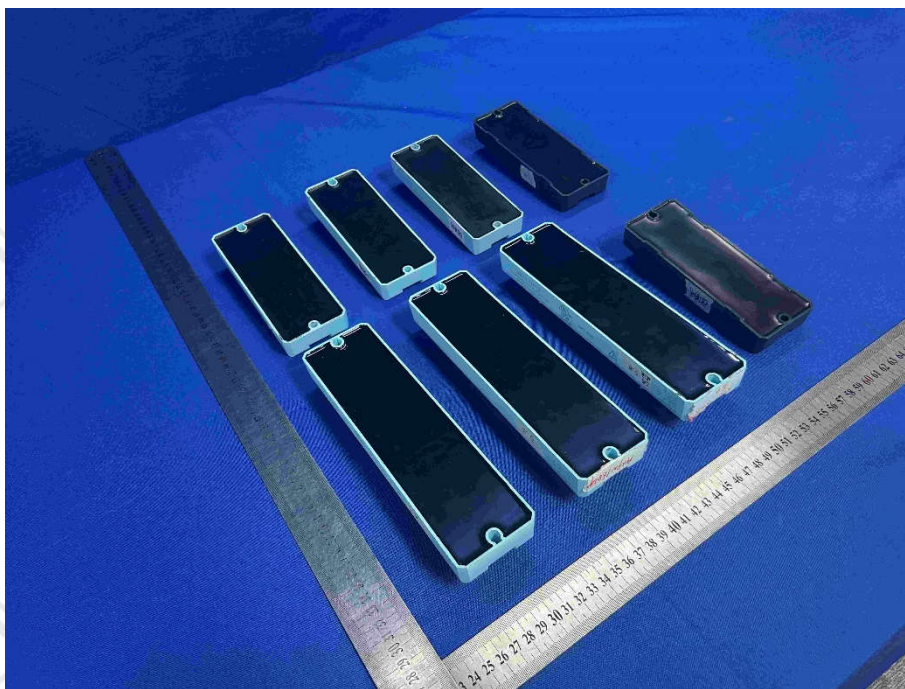
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PRODUCT PHOTO



View Of Product-01



View Of Product-02

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View Of Product-03

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Statement

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2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
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*** End of Report ***