



中国认可
国际互认
检测
TESTING
CNAS L0685

TEST REPORT


No: JW253293E



Sample Name	Self and Dual Powered Overcurrent Relay
Sample Type	iRelay 50-P
Client	CET Electric Technology Inc.
Manufacturer	CET Electric Technology Inc.
Test classification	Type Test
Issued Date	Jan. 06, 2026

Xuchang KETOP Testing Research Institute Co., Ltd.

(National Quality Inspection & Testing Center for
Relay Protection and Automation Equipment)

Sample Name: Self and Dual Powered Overcurrent Relay Sample Type: iRelay 50-P Sample Specification: Power supply circuit: DC48V/ Self- powered AC circuit: AC1A 50Hz Sample Quantity: 2 Sample No: YPJW253293-1, YPJW253293-2 Sample Received Date: Nov. 18, 2025 Sample Received Status: Visual check acceptable, performance to be checked	Client: CET Electric Technology Inc. Address: Floor 33-35, Building #6, Shenzhen International Innovation Valley, Dashi First Road, Nanshan District, Shenzhen, Guangdong, P.R. China 518055 Manufacturer: CET Electric Technology Inc. Address: Floor 33-35, Building #6, Shenzhen International Innovation Valley, Dashi First Road, Nanshan District, Shenzhen, Guangdong, P.R. China 518055 Testing Site: Xuchang KETOP Testing Research Institute Co., Ltd.
Testing date: Nov. 18, 2025 –Jan. 04, 2026	
Testing for: <input checked="" type="checkbox"/> Consignment Test <input type="checkbox"/> Certification Test <input type="checkbox"/> Licence Test <input type="checkbox"/> Supervision Test <input type="checkbox"/> Other test	
Test classification: <input checked="" type="checkbox"/> Type Test <input type="checkbox"/> Performance Test <input type="checkbox"/> Others	
References: See "References" and "Assess criteria" on page 2	
Conclusion: Based on the test results described in this report, our lab declares that the test items are in conformance with the requirements of references above.	
Approved by: 王伟  Issued date: Jan. 06, 2026	
Remark: /	

Electrical Performance & Safety Test Report

Sample Name:

Self and Dual Powered Overcurrent Relay

Sample Type:

iRelay 50-P

Sample Specification:

Power supply circuit: DC48V/ Self- powered

AC circuit: AC1A 50Hz

Sample Quantity:1**Sample №:**

YPJW253293-1

Client:

CET Electric Technology Inc.

Manufacturer:

CET Electric Technology Inc.

Testing Site:

Xuchang KETOP Testing Research Institute Co., Ltd.

Testing for:☒Type Test ☐Performance Test ☐Others**References:**

International standard

IEC 60255-1:2022 Measuring relays and protection equipment-Part 1:Common requirements

IEC 60255-27:2023 Measuring relays and protection equipment-Part 27: Product safety requirements

National standard

GB/T 7261-2016 Basic testing method for relaying protection and security automatic equipment

GB/T 14598.2-2025 Measuring relays and protection equipment-Part 1:Common requirements

GB/T 14598.27-2025 Measuring relays and protection equipment - Part 27: Product safety requirements

GBT 37763-2019 Technical specification for CT powered protection device (Assess criteria)

Industry standard

DL/T 478-2013 General specification for relaying protection and security automatic equipment

Enterprise standard

Q/CET-1101-2025 iRelay 50-P Self and Dual Powered Overcurrent Relay (Assess criteria)

Conclusion:

Based on the test results described in this report, our lab declares that the test items are in conformance with the requirements of references above.

Tested by: 遵一涵 遵一涵 **Verified by:** 张又珺 张又珺 **Audited by:** 刘洛阳 刘洛阳

Date: Jan.05, 2026**Remark:** /

Test Items Summary

No	Test Items	Standards	Verdict
1	Visual inspection	IEC 60255-1:2022	Pass
2	Basic performance	IEC 60255-1:2022 GBT 37763-2019 Q/CET-1101-2025	/
2.1	Overcurrent protection	/	Pass
2.2	Inverse time overcurrent protection		Pass
2.3	IN overcurrent protection	/	Pass
2.4	IN inverse time overcurrent protection		Pass
2.5	I0 overcurrent protection	/	Pass
2.6	I0 inverse time overcurrent protection	/	Pass
2.7	Instantaneous overcurrent protection with definite Time	/	Pass
2.8	Instantaneous overcurrent protection	/	Pass
2.9	Inrush current blocking	/	Pass
2.10	DI protection	/	Pass
2.11	AC current measurement accuracy	/	Pass
3	Burden	IEC 60255-1:2022	Pass
4	Insulation resistance	IEC 60255-27:2023	Pass
5	Dielectric withstand	IEC 60255-27:2023	Pass
6	Impulse voltage	IEC 60255-27:2023	Pass
7	Clearance	IEC 60255-27:2023	Pass
8	Creepage distance	IEC 60255-27:2023	Pass
9	Protective bonding resistance	IEC 60255-27:2023	Pass
10	Degrees of protection provided by enclosure	IEC 60529:2013	Pass
11	Operative ranges of auxiliary energizing quantities	IEC 60255-1:2022	Pass
12	Dry heat - operational	IEC 60068-2-2:2007	Pass
13	Cold - operational	IEC 60068-2-1:2007	Pass
14	Dry heat - storage	IEC 60068-2-2:2007	Pass
15	Cold - storage	IEC 60068-2-1:2007	Pass

№	Test Items	Standards	Verdict
16	Change of temperature	IEC 60068-2-14:2009	Pass
17	Damp heat, cyclic	IEC 60068-2-30:2005	Pass
18	Vibration response	IEC 60068-2-6:2007 IEC 60255-21-1:1988	Pass
19	Vibration endurance	IEC 60068-2-6:2007 IEC 60255-21-1:1988	Pass
20	Shock response	IEC 60068-2-27:2008 IEC 60255-21-2:1988	Pass
21	Shock withstand	IEC 60068-2-27:2008 IEC 60255-21-2:1988	Pass
22	Bump	IEC 60255-21-2:1988	Pass
23	Thermal short-time	IEC 60255-27:2023	/
23.1	Thermal overload	/	Pass
23.2	Short time limiting dynamic overload	/	Pass
24	Contact performance	IEC 60255-1:2022	Pass
25	Maximum temperature of parts and materials	IEC 60255-27:2023	Pass
26	Leakage current	IEC 60255-27:2023	Pass
27	Accessible parts	IEC 60255-27:2023	Pass
28	Safety marking	IEC 60255-27:2023	Pass

EMC Test Report

Sample Name:

Self and Dual Powered Overcurrent Relay

Sample Type:

iRelay 50-P

Sample Specification:

Power supply circuit: DC48V/Self-powered

AC circuit: AC1A 50Hz

Sample Quantity:1**Sample No:**

YPJW253293-2

Client:

CET Electric Technology Inc.

Manufacturer:

CET Electric Technology Inc.

Testing Site:

Xuchang KETOP Testing Research Institute Co., Ltd.

Testing for:☒Type Test☐Performance Test☐Others**References:**

IEC 60255-1:2022 Measuring relays and protection equipment - Part 1: Common requirements

IEC 60255-26: 2023 Measuring relays and protection equipment – Part 26: Electromagnetic compatibility requirements

IEC 61000-4-9: 2016 Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test

IEC 61000-4-10: 2016 Electromagnetic compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test

GB/T 7261-2016 Basic testing method for relaying protection and security automatic equipment

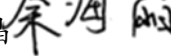


DL/T 478-2013 General specification for relaying protection and security automatic equipment

GBT 37763-2019 Technical specification for CT powered protection device(Assess criteria)

Q/CET-1101-2025 iRelay 50-P Self and Dual powered Overcurrent Relay(Assess criteria)

Conclusion:

Based on the test results described in this report, our lab declares that the test items are in conformance with the requirements of references above.

Tested by: 秦海晶  **Verified by:** 张占营  **Audited by:** 杨兴超 

Date: Jan. 05, 2026**Remark:** /

Test Items Summary

No	Test Items	Standards	Verdict
1	Radiated emission test	IEC 60255-26: 2023	Pass
2	Conducted emission test for auxiliary power supply port	IEC 60255-26: 2023	Pass
3	Conducted emission test for wired network port	IEC 60255-26: 2023	Pass
4	Radiated electromagnetic field immunity test	IEC 60255-26: 2023	Pass
5	Electrostatic discharge immunity test	IEC 60255-26: 2023	Pass
6	Conducted immunity test	IEC 60255-26: 2023	Pass
7	Electrical fast transient/burst immunity test	IEC 60255-26: 2023	Pass
8	Slow damped oscillatory wave immunity test	IEC 60255-26: 2023	Pass
9	Fast damped oscillatory wave immunity test	IEC 60255-26: 2023	Pass
10	Surge immunity test	IEC 60255-26: 2023	Pass
11	Power frequency immunity test	IEC 60255-26: 2023	Pass
12	Power frequency magnetic field immunity test	IEC 60255-26: 2023	Pass
13	Pulse magnetic field immunity test	IEC 61000-4-9: 2016	Pass
14	Damped oscillatory magnetic field immunity test	IEC 61000-4-10: 2016	Pass
15	Voltage dips on A.C. and D.C. input power port test	IEC 60255-26: 2023	Pass
16	Voltage interruptions on A.C. and D.C. input power port test	IEC 60255-26: 2023	Pass
17	Ripple on D.C. input power port immunity test	IEC 60255-26: 2023	Pass
18	Gradual shut-down/start-up on D.C. input power port test	IEC 60255-26: 2023	Pass