

LY1-12.5 AC Surge protective device

Application

This Type 1+2 AC surge protective device is designed according to IEC / EN 61643-11 & GB 18802.11 which is for installation at LPZ 0A -2 or higher, protecting low voltage equipment against lightning and surge damages. Applied SPD Modular in Class I+II (Class B+C) for various power supply system.



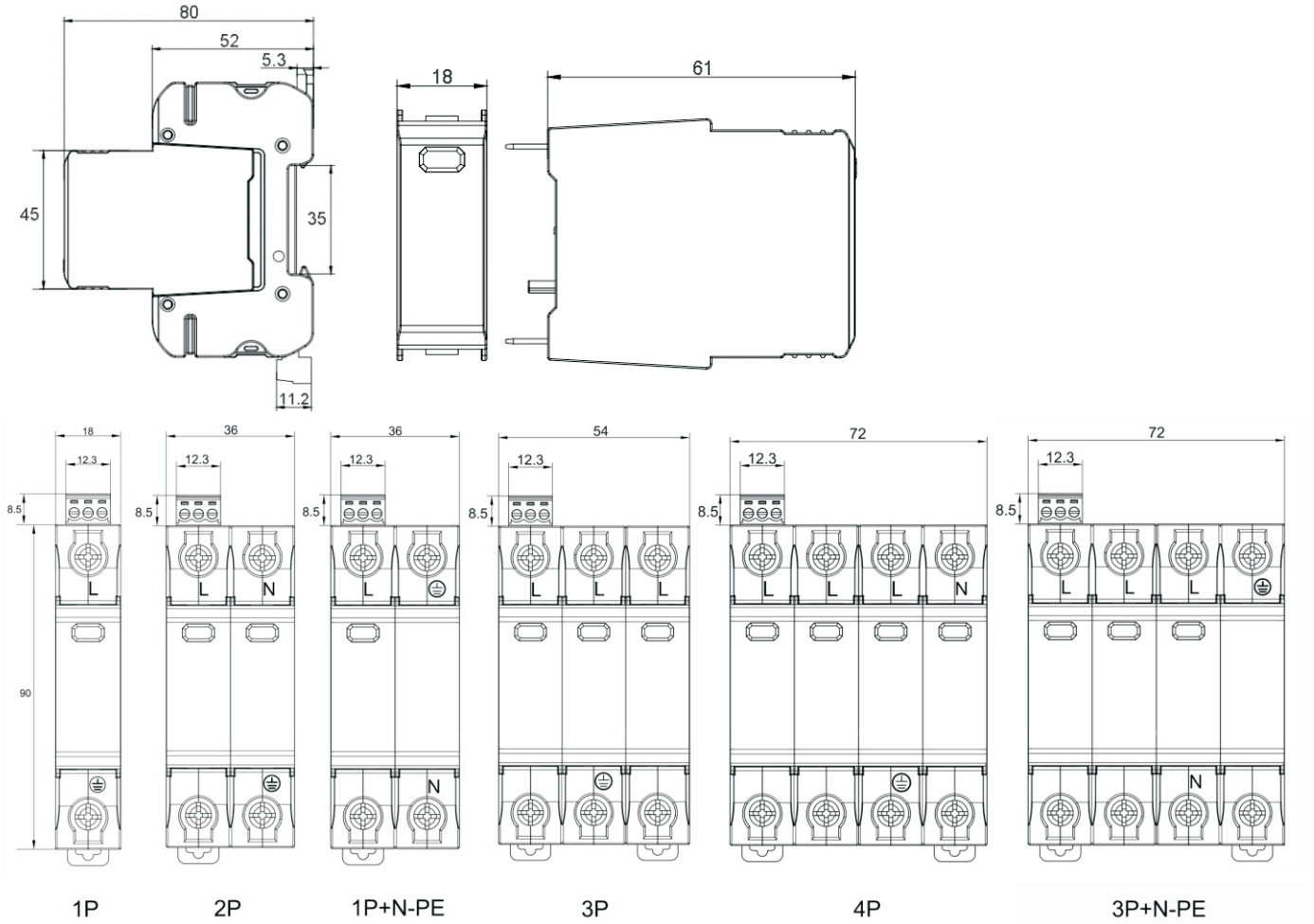
Main features

1. 10/350 μ s, 8/20 μ s T1+ T2 protection.
2. High discharge capacity, quick response, plugged module.
3. Double thermal disconnection devices, providing more reliable protection.
4. Visual window display, green means normal, Red means defect (need to change new module).
5. Remote signaling contact optional.
6. Voltage can be customized.

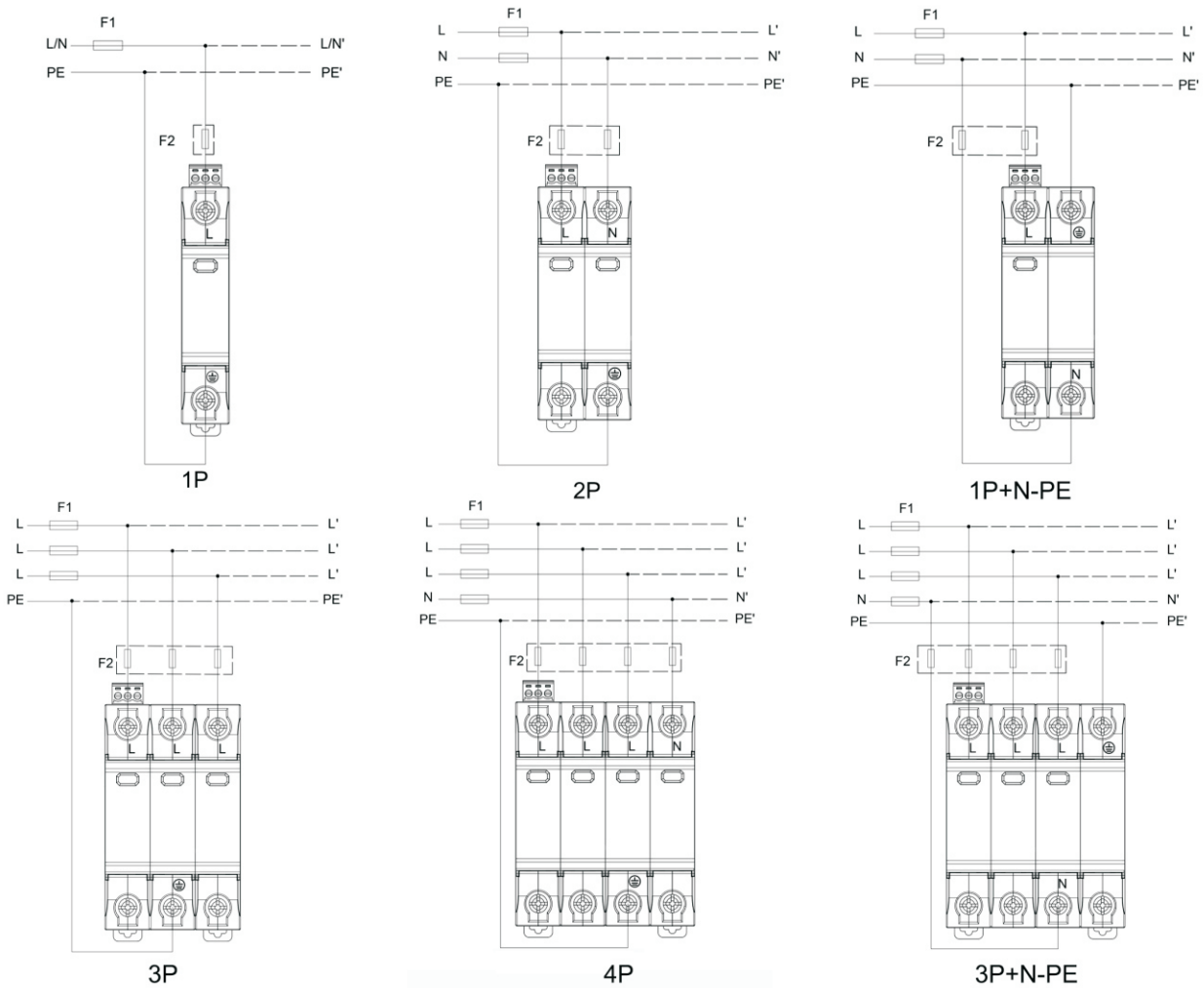
Technical parameter

Model	LY1-12.5
Test standard	IEC/EN 61643-11; GB18802.11
SPD type	T1+T2/Class I+ II
Maximum continuous operating voltage U_c	275V AC
Nominal discharge current (8/20 μ s)	20kA
Max. discharge current (8/20 μ s)	50kA
limp current (10/350 μ s)	12.5kA
Voltage protection level U_p	1.5kV
Response time T_a	25ns
Poles	1P, 2P, 3P, 4P, 1P+ N-PE, 3P+ N-PE
Matched fuse or circuit breaker	63A
Connection wire specification	6mm ² (L/N); 10mm ² (PE)
Mounting	35mm Din Rail
Type of remote signaling contact (Optional)	C+ NC: Normally closed C+ NO: Normally open C: Common contact
Max. Voltage/Current for remote signaling	1A/2A/3A 125V AC
Wiring for remote signaling	1.5mm ² max.
Operating temperature	-40°C to + 80°C
Shell material	UL94-V0 fireproof material
Certificates	TUV CB CE RoHS ISO9001:2015

Dimension details(unit:mm)



Installation diagram





CERTIFICATE OF REGISTRATION

Certificate NO.DVOS2020Q06019

This certificate is awarded

Wenzhou Leeyee Electric Co., Ltd

Registration Address/Audit Address: Dagang Village beibaixiang Town Yueqing Zhejiang

Unified Social Credit Code/Organizational Code: 91330382563339382K

Site assessment to meet:ISO9001:2015 System requirements

SCOPE OF APPROVAL

Design, production and sales of surge protector, lightning protection box, lightning protection cabinet, lightning rod, control and protection switch, industrial connector

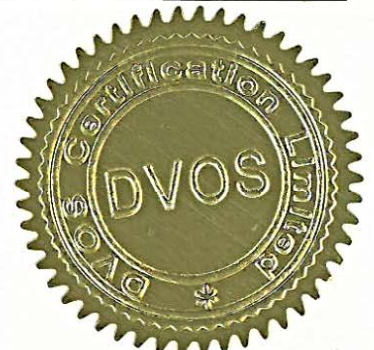
Issued by: Carmen

Approval Date:22-08-2020

Expiry Date:21-08-2023

Validity of the certificate affixed to the supervision and audit flag is maintained

The first surveillance audit pass mark	The second surveillance audit pass mark	The third surveillance audit pass mark
Paste labeling	Paste labeling	Paste labeling



DVOS CERTIFICATION LIMITED

Certificate Inquires:www.davosrz.com

VERIFICATION OF LVD COMPLIANCE

Applicant: WENZHOU LEEYEE ELECTRIC CO., LTD.
Address of applicant: NO.1 XINGYE ROAD, DAGANG, BEIBAIXIANG TOWN, YUEQING, ZHEJIANG 325603 CHINA
Manufacturer: WENZHOU LEEYEE ELECTRIC CO., LTD.
NO.1 XINGYE ROAD, DAGANG, BEIBAIXIANG TOWN, YUEQING, ZHEJIANG 325603 CHINA
Product Description: Surge Protective Device (Surge Protector)
Model No.: LY1, LY2, LY3, LY7, LY8, LY9, LY10, LY21, LY22, LY23, Series
Rating: In:5kA, 10kA, 15kA, 20kA, 25kA, 30kA, 40kA, 50kA, 60kA, 100kA (8/20 μ s);
Iimp:5kA, 6.25kA, 7kA, 12.5kA, 15kA, 25kA, 50kA (10/350 μ s);
Uc:120V, 140V, 240V, 275V, 320V, 385V, 400V, 420V, 440V, 690V AC; 6V, 12V, 30V, 60V, 500V, 600V, 800V, 1000V, 1200V, 1500V, 1800V DC;
Model:1P, 1+NPE, 2P, 3P, 3+NPE, 4P.

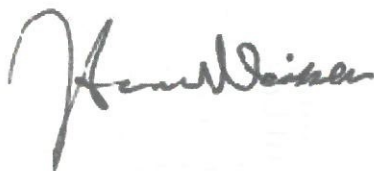
Sufficient samples of the product have been tested and found to be in conformity with
Test Standard: EN 61643-11:2012+A11:2018

As shown in the
Test Report Number(s): TLZJ21022529302
Date of issue: February 26th, 2021
Date of expiry: February 25th, 2026

Conclusion

This Verification of LVD Compliance has been granted to the applicant based on the results of the TCF, performed by Global Testing Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards and the Directive 2014/35/EU. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

Approved by: Hermann Weiher



For and on behalf of
Global Testing Services Co., Ltd



Global Testing Services Co., Ltd
E-mail:info@gts-lab.com <http://www.gts-lab.com>
Floor 2nd, Building D-1, No. 128, Shenfu Road, Minhang District, Shanghai, China.