CHENZHU

Surge Protective Device（SPD）

5 Year WARRANTY

https://en.chenzhu-inst.com/

CHENZHU COMPANY OVERVIEW

Shanghai Chenzhu Instrument Co,Ltd. was founded in April, 2002, who was originated from Shanghai Institute of Process Automation Instrumentation. CHENZHU is a professional company with core expertise of R&D, manufacturing and sale service of high quality safety products, such as isolated barriers, signal conditioners, surge protective devices, safety relays etc.

MANAGEMENT SYSTEMS

ISO9001

ISO14001

ISO45001

IECEx QUALITY ASSESSMENT

R&D Strength

Based on ISO/IEC/GB standards, CHENZHU has established the professional laboratory which is applied up to 70 test capabilities and verification items in CHENZHU's safety electrical products' development process.

R&D Team
28%
Work Force

R&D Investment
11%
of Sale Revenue

Innovation
110+
Patents

Testing Facility
80+
Capabilities

Smart Factory

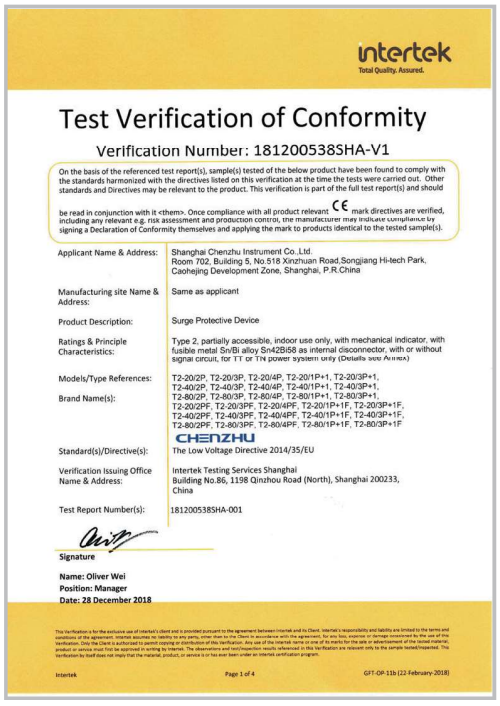
CHENZHU factory is continually driven by lean management and flexible production. By our strict quality examination, CHENZHU ensures the production meets the design specification and satisfies our customers.

Factory
3500㎡
In total

Max Cap.
2,000,000pcs
Year

Sales Volume
1,080,000pcs
In 2021

Lean Production
10+
Years' experience



Test Verification of Conformity

Verification Number: 181200538SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>. Once compliance with all product relevant CE mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Shanghai Chenzhu Instrument Co.,Ltd. Room 702, Building 5, No.518 Xinzhuan Road,Songjiang Hi-tech Park, Caohejing Development Zone, Shanghai, P.R.China
Manufacturing site Name & Address:	Same as applicant
Product Description:	Surge Protective Device
Ratings & Principle Characteristics:	Type 2, partially accessible, indoor use only, with mechanical indicator, with fusible metal Sn/Bi alloy Sn42Bi58 as internal disconnector, with or without signal circuit, for TT or TN power system only (Details see Annex)
Models/Type References:	T2-20/2P, T2-20/3P, T2-20/4P, T2-20/1P+1, T2-20/3P+1, T2-40/2P, T2-40/3P, T2-40/4P, T2-40/1P+1, T2-40/3P+1, T2-80/2P, T2-80/3P, T2-80/4P, T2-80/1P+1, T2-80/3P+1,
Brand Name(s):	T2-20/2PF, T2-20/3PF, T2-20/4PF, T2-20/1P+1F, T2-20/3P+1F, T2-40/2PF, T2-40/3PF, T2-40/4PF, T2-40/1P+1F, T2-40/3P+1F, T2-80/2PF, T2-80/3PF, T2-80/4PF, T2-80/1P+1F, T2-80/3P+1F CHENZHU
Standard(s)/Directive(s):	The Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Test Report Number(s):	181200538SHA-001

Signature

Name: Oliver Wei
Position: Manager
Date: 28 December 2018

Intertek Page 1 of 4 GFT-OP-11b (22-February-2018)

■ CE Certification

FUNCTIONAL SAFETY CERTIFICATE

This is to certify that the

Surge Protective Devices CZLBX-48 and CZLBX-48-S series

manufactured by

SHANGHAI CHENZHU INSTRUMENT CO., LTD.
Floor 7~8, Building 6, No. 201,
Minyi Road, Songjiang District,
Shanghai 201612, China

have been assessed by Sira Certification Service with reference to the CASS methodologies and found to meet the requirements of

IEC 61508:2010
Routes 1_H & 1_S
Systematic Capability (SC3)

as an element/subsystem suitable for use in safety related systems performing safety functions up to and including

SIL 3 capable with HFT=0 (1oo1)*

* The SIL3 result has taken into consideration external diagnostics that may be available when the SPD is integrated into a SIS. The hardware/software failures of the assumed diagnostics is outside the scope of this certification and must be considered at system level by the integrator.

This certificate does not waive the need for further functional safety verification to establish the achieved Safety Integrity Level (SIL) of the safety related system

Certification Decision: James Lynskey

Initial Certification : 15/12/2020
This certificate re-issued : 15/12/2020
Renewal date : 14/12/2025

Certificate No.: Sira FSP 20012/00
Form 7016 issue 4
Page 1 of 7

Sira Certification Service
Part of CSA Group UK
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

■ SIL Certification

防爆合格证

证号：GYB19.1101X

由 上海辰竹仪表有限公司 制造的产品：
（地址：上海市松江区民益路201号6号楼7~8层）

名 称 浪涌保护器
型号规格 CZLBX-48-□
防爆标志 Ex ia IIC T6...T4 Ga
产品标准 /
图样编号 CZLBX-48.0、CZLBX-48-3.0、CZLBX-48-4.0

经图样及技术文件的审查和样品检验，确认上述产品符合 GB 3836.1-2010、GB 3836.4-2010、GB 3836.20-2010 标准，特颁发此证。

本证书有效期：2019 年 2 月 1 日至 2024 年 1 月 31 日

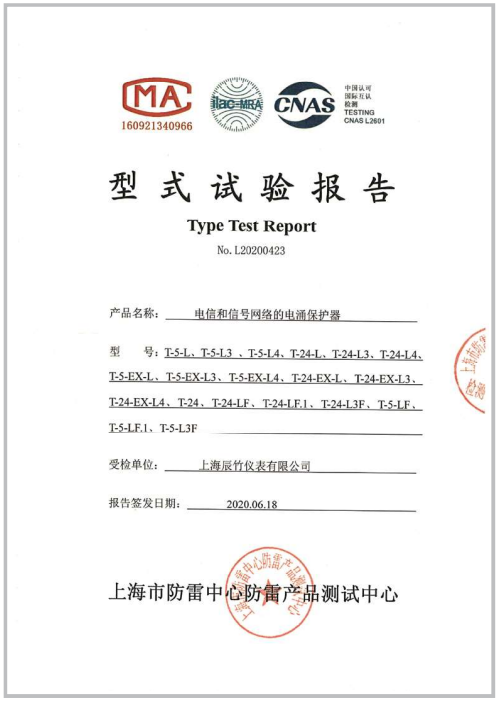
备注 1. 安全使用注意事项见本证书附件。
2. 证书编号后缀“X”表明产品具有安全使用特殊条件，内容见本证书附件。
3. 型号规格说明见本证书附件。
4. 本发电气参数见本证书附件。

站长
国家级仪器仪表防爆安全监督检验站
签发日期二〇一九年二月一日

本证书仅对与认可文件和样品一致的产品有效。

地址：上海市清宝路103号 网址：www.nepsi.org.cn 电话：+86 21 64368180
邮编：200233 Email:info@nepsi.org.cn 传真：+86 21 64844580

■ NEPSI Certification



160921340966

型式试验报告

Type Test Report

No. L20200423

产品名称：电信和信号网络的电涌保护器

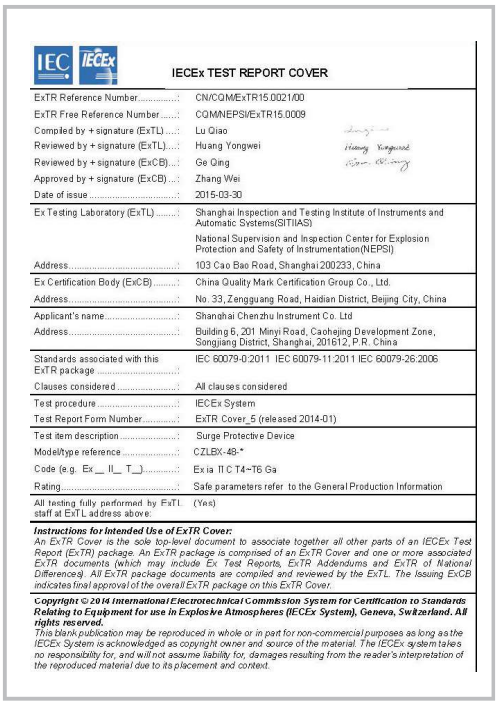
型 号：T-5-L、T-5-L3 、T-5-L4、T-24-L、T-24-L3、T-24-L4、T-5-EX-L、T-5-EX-L3、T-5-EX-L4、T-24-EX-L、T-24-EX-L3、T-24-EX-L4、T-24、T-24-LF、T-24-LF.1、T-24-L3F、T-5-LF、T-5-LF.1、T-5-L3F

受检单位：上海辰竹仪表有限公司

报告签发日期：2020.06.18

上海市防雷中心防雷产品测试中心

■ Type Test Report



IECEx TEST REPORT COVER

ExTR Reference Number	CN/CQM/ExTR15.0021/00
ExTR Free Reference Number	CQM/NEPSI/ExTR15.0009
Compiled by + signature (ExTL)	Lu Qiao
Reviewed by + signature (ExTL)	Huang Yongwei
Reviewed by + signature (ExCB)	Ge Qing
Approved by + signature (ExCB)	Zhang Wei
Date of issue	2015-03-30
Ex Testing Laboratory (ExTL)	Shanghai Inspection and Testing Institute of Instruments and Automatic Systems(SITIIAS) National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation(NEPSI)
Address	103 Cao Bao Road, Shanghai 200233, China
Ex Certification Body (ExCB)	China Quality Mark Certification Group Co., Ltd.
Address	No. 33, Zengguang Road, Haidian District, Beijing City, China
Applicant's name	Shanghai Chenzhu Instrument Co. Ltd
Address	Building 6, 201 Minyi Road, Caohejing Development Zone, Songjiang District, Shanghai, 201612, P.R. China
Standards associated with this ExTR package	IEC 60079-0:2011 IEC 60079-11:2011 IEC 60079-26:2006
Clauses considered	All clauses considered
Test procedure	IECEx System
Test Report Form Number	ExTR Cover_5 (released 2014-01)
Test item description	Surge Protective Device
Model/type reference	CZLBX-48-*
Code (e.g. Ex__ II__ T__)	Ex ia II C T4~T6 Ga
Rating	Safe parameters refer to the General Production Information
All testing fully performed by ExTL staff at ExTL address above:	(Yes)

Instructions for Intended Use of ExTR Cover:
An ExTR Cover is the sole top-level document to associate together all other parts of an IECEx Test Report (ExTR) package. An ExTR package is comprised of an ExTR Cover and one or more associated ExTR documents (which may include Ex Test Reports, ExTR Addendums and ExTR of National Differences). All ExTR package documents are compiled and reviewed by the ExTL. The Issuing ExCB indicates final approval of the overall ExTR package on this ExTR Cover.

■ IECEx Certification

sira CERTIFICATION — CSA GROUP

1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 20ATEX2010X** Issue: **0**

4 Equipment: **T-EX Series Surge Protective Devices**

5 Applicant: **SHANGHAI CHENZHU INSTRUMENT CO., LTD.**

6 Address: Floor 7~8, Building 6, No.201, Minyi Road, Songjiang District, Shanghai, 201612, P.R.China

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018 EN 60079-11:2012

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

II 1G
Ex ia IIC T6...T4 Ga
Ta = -40 to 50 /75 /80

Project Number 80038722

Signed: N Jones

Title: Certification Manager

Sira Certification Service
Unit 6 Hawarden Industrial Park
Hawarden, CH5 3US, United Kingdom

Page 1 of 3

DQD 544.09 Rev 2019-10-30 This certificate and its schedules may only be reproduced in its entirety and without change

■ ATEX Certification

证书号第2387117号

发明专利证书

发明名称：一种浪涌保护器

发明人：倪敏；任祎骅；陈科全；吴上财；姚学厚；张翼成；雷国坤

专利号：ZL 2013 1 0585812.2

专利申请日：2013年11月19日

专利权人：上海辰竹仪表有限公司；町洋机电（中国）有限公司

授权公告日：2017年02月22日

局长
申长雨

2017年02月22日

■ Patent

太平洋保险 CPIC

中国太平洋财产保险股份有限公司
China Pacific Property Insurance Co.,Ltd

全国统一投诉服务电话：4008095500

产品责任险保险单

（副本）

保单流水号：CIBS1300159629 保险单号：ASHH35107113Q000135G

请仔细阅读本保险单，以确保其内容与被保险人的投保要求一致。

本保险单内容主要包括明细表、责任范围、除外责任、赔偿处理、被保险人义务、总则、特别条款等。本保险单还包括投保申请书及其附件，以及本公司今后以批单方式增加的内容。

鉴于本保险单明细表中列明的被保险人向中国太平洋财产保险股份有限公司以下简称“本公司”）提交书面投保申请和有关资料（该投保申请及资料被视作本保险单的有效组成部分），并向本公司缴付了本保险单明细表中列明的保险费，本公司同意按本保险单的规定负责赔偿在本保险单明细表中列明的保险期限内被保险人依法对第三者应承担的经济赔偿责任，并特立本保险单为凭。

CPIC

保险单专用章（1）

公司签章

保险单签发机构：上海分公司 全国统一投诉服务电话：4008095500

通讯地址：上海市吴淞路400号

邮政编码：200083 联系电话：021-68779900

核保：杨翰翠 制单：薛奕 经办：魏昊岭

签发日期：2013年09月19日 传真号码：021-66085555

总公司地址：中国上海市银城中路190号 邮政编码：200120 网址：http://www.cpic.com.cn

■ Product Liability Insurance

SPD Family

T Series Functional SPD

SPD for signal

- 12.5mm width
- 2-wire,3-wire,4-wire is optional
- Hot pluggable

SPD for power

- 18mm/P width
- T2: 40~80kA (8/20μs)
- Short circuit withstanding: 1000A

CZLB Series Classical SPD

SPD for signal

- 7.6mm width
- Ground via terminal or DIN 35mm rail

SPD for power

- 18mm/P width
- T2: 40kA (8/20μs)
- T1: 15kA (10/350μs)

CZLBX Series Screw Mounting SPD

- Intrinsic safety certification;explosion proof electrial product certification
- Various of thread specification is optional
- 304 or 316 stainless steel housing is optional

iFL Series Network SPD

- Fully aluminium alloy housing, good electromagnetic shielding
- FE、GE、PoE、wireless is optional
- Grouned by DIN rail or screw terminals

Catalogue

T series

CZLB series

CZLBX series

iFL series

Catalogue

T series SPD for signal

Model	Order No.	Wiring	Load current I_L	Max.operating voltage U_c	Nominal discharge current In(8/20μs)	Impulse current limp(10/350μs)	Protection	Page
T-5-EX-L	7086993	2	500mA	6V DC	10kA	2.5kA	IS，TC、RS-485、CAN	9
T-5-EX-L3	7025543	3	500mA	6V DC	10kA	2.5kA	IS，RTD	9
T-5-EX-L4	7019501	4	500mA	6V DC	10kA	2.5kA	IS，RTD、TC、RS-422	9
T-24-EX-L	7096962	2	500mA	32V DC	10kA	2.5kA	IS，AI、AO、DI、DO	10
T-24-EX-L3	7097610	3	500mA	32V DC	10kA	2.5kA	IS，AI、AO、DI、DO、RS-232	10
T-24-EX-L4	7040569	4	500mA	32V DC	10kA	2.5kA	IS，AI、AO、DI、DO	10
T-5-L	7099647	2	800mA	6V DC	10kA	2.5kA	TC、RS-485、CAN	11
T-5-L3	7050235	3	800mA	6V DC	10kA	2.5kA	RTD	11
T-5-L4	7029162	4	800mA	6V DC	10kA	2.5kA	RTD、TC、RS-422	11
T-24-L	7023959	2	800mA	32V DC	10kA	2.5kA	AI、AO、DI、DO	12
T-24-L3	7091758	3	800mA	32V DC	10kA	2.5kA	AI、AO、DI、DO、RS-232	12
T-24-L4	7074245	4	800mA	32V DC	10kA	2.5kA	AI、AO、DI、DO	12

T series SPD for power

Model	Order No.	Max.operating voltage U_c	Recommended backup fuse	Nominal discharge current In(8/20μs)	Max. discharge current Imax(8/20μs)	Protection	Remote signaling	Page
T-24	7062371	58VDC/40VAC	–	10kA	20kA	24VDC power (＜10A)	–	13
T2-24	7073945	90VDC/60VAC	80A gG	20kA	40kA	24VDC power	–	14
T2-24F	7093094	90VDC/60VAC	80A gG	20kA	40kA	24VDC power	√	14
T2-110	7089524	180VDC/120VAC	80A gG	20kA	40kA	110VDC power	–	14
T2-110F	7062355	180VDC/120VAC	80A gG	20kA	40kA	110VDC power	√	14
T2-220	7065567	320VDC/220VAC	80A gG	20kA	40kA	220VDC power	–	14
T2-220F	7011000	320VDC/220VAC	80A gG	20kA	40kA	220VDC power	√	14
T2-1000	7053964	1000VDC	80A gG	20kA	40kA	1000VDC PV	–	15
T2-1000F	7065508	1000VDC	80A gG	20kA	40kA	1000VDC PV	√	15
T2-1500	7094994	1500VDC	80A gG	20kA	40kA	1500VDC PV	–	15
T2-1500F	7067731	1500VDC	80A gG	20kA	40kA	1500VDC PV	√	15
T2-40/2P	7067699	385VAC	80A gG	20kA	40kA	TN System	–	16
T2-40/2PF	7062709	385VAC	80A gG	20kA	40kA	TN System	√	16
T2-40/3P	7079704	385VAC	80A gG	20kA	40kA	IT、TN-C System	–	16
T2-40/3PF	7046181	385VAC	80A gG	20kA	40kA	IT、TN-C System	√	16
T2-40/4P	7085466	385VAC	80A gG	20kA	40kA	TN-S System	–	16
T2-40/4PF	7018432	385VAC	80A gG	20kA	40kA	TN-S System	√	16
T2-40/1P	7056020	385VAC	80A gG	20kA	40kA	Single line	–	17
T2-40/1PF	7031533	385VAC	80A gG	20kA	40kA	Single line	√	17
T2-40/1P+1	7032273	385VAC	80A gG	20kA	40kA	TT System	–	17
T2-40/1P+1F	7070280	385VAC	80A gG	20kA	40kA	TT System	√	17
T2-40/3P+1	7085025	385VAC	80A gG	20kA	40kA	TT System	–	17
T2-40/3P+1F	7081984	385VAC	80A gG	20kA	40kA	TT System	√	17
T2-80/2P	7030066	385VAC	125A gG	40kA	80kA	TN System	–	18
T2-80/2PF	7066780	385VAC	125A gG	40kA	80kA	TN System	√	18
T2-80/3P	7025082	385VAC	125A gG	40kA	80kA	IT、TN-C System	–	18
T2-80/3PF	7038693	385VAC	125A gG	40kA	80kA	IT、TN-C System	√	18
T2-80/4P	7018734	385VAC	125A gG	40kA	80kA	TN-S System	–	18
T2-80/4PF	7088870	385VAC	125A gG	40kA	80kA	TN-S System	√	18
T2-80/1P	7077138	385VAC	125A gG	40kA	80kA	Single line	√	19
T2-80/1PF	7012410	385VAC	125A gG	40kA	80kA	Single line	√	19
T2-80/1P+1	7015677	385VAC	125A gG	40kA	80kA	TT System	–	19
T2-80/1P+1F	7042357	385VAC	125A gG	40kA	80kA	TT System	√	19
T2-80/3P+1	7055729	385VAC	125A gG	40kA	80kA	TT System	–	19
T2-80/3P+1F	7058261	385VAC	125A gG	40kA	80kA	TT System	√	19
T2-40/700/2P	7031662	700VAC	80A gG	20kA	40kA	TN System	–	20
T2-40/700/2PF	7087013	700VAC	80A gG	20kA	40kA	TN System	√	20
T2-40/700/3P	7066877	700VAC	80A gG	20kA	40kA	IT、TN-C System	–	20
T2-40/700/3PF	7028674	700VAC	80A gG	20kA	40kA	IT、TN-C System	√	20

Model	Order No.	Max.operating voltage Uc	Recommended backup fuse	Nominal discharge current In(8/20μs)	Max. discharge current Imax(8/20μs)	Protection	Remote signaling	Page
T2-40/700/4P	7087771	700VAC	80A gG	20kA	40kA	TN-S	–	20
T2-40/700/4PF	7020165	700VAC	80A gG	20kA	40kA	TN-S	√	20
T2-40/700/1P+1	7062817	700VAC	80A gG	20kA	40kA	TT	–	21
T2-40/700/1P+1F	7033598	700VAC	80A gG	20kA	40kA	TT	√	21
T2-40/700/3P+1	7013762	700VAC	80A gG	20kA	40kA	TT	–	21
T2-40/700/3P+1F	7097406	700VAC	80A gG	20kA	40kA	TT	√	21

CZLB series SPD for signal

Model	Order No.	Wiring	Load current IL	Max.operating voltage Uc	Nominal discharge current In(8/20μs)	Impulse current limp(10/350μs)	Protection	Page
CZLB-5(T2)	7051773	2	500mA	6V DC	10kA	2.5kA	IS，TC、RS-485、CAN	22
CZLB-5(R3)	7014195	3	500mA	6V DC	10kA	2.5kA	IS，RTD	22
CZLB-24(B2)	7090592	2	500mA	32V DC	10kA	2.5kA	IS，AI、AO、DI、DO	23
CZLB-24(B3)	7013226	3	500mA	32V DC	10kA	2.5kA	IS，AI、AO、DI、DO、RS-232	23

CZLB series SPD for power

Model	Order No.	Max.operating voltage Uc	Recommended backup fuse	Nominal discharge current In(8/20μs)	Max. discharge current Imax(8/20μs)	Protection	Remote signaling	Page
CZLB-24P	7059650	58VDC/40VAC	–	10kA	20kA	24VDC (＜10A)	–	24
CZLB-40/2P	7051402	385VAC	80A gG	20kA	40kA	TN System	–	24
CZLB-40/2PF	7028111	385VAC	80A gG	20kA	40kA	TN System	√	24
CZLB-40/3P	7061543	385VAC	80A gG	20kA	40kA	IT、TN-C System	–	25
CZLB-40/3PF	7023751	385VAC	80A gG	20kA	40kA	IT、TN-C System	√	25
CZLB-40/4P	7045781	385VAC	80A gG	20kA	40kA	TN-S System	–	25
CZLB-40/4PF	7094265	385VAC	80A gG	20kA	40kA	TN-S System	√	25
CZLB-40/1P+1	7047317	385VAC	80A gG	20kA	40kA	TT System	–	25
CZLB-40/1P+1F	7054943	385VAC	80A gG	20kA	40kA	TT System	√	25
CZLB-40/3P+1	7078829	385VAC	80A gG	20kA	40kA	TT System	–	26
CZLB-40/3P+1F	7091611	385VAC	80A gG	20kA	40kA	TT System	√	26
CZLB-160/440/2P	7024977	440VAC	200A gG	80kA	160kA	TN System	–	26
CZLB-160/440/3P	7069757	440VAC	200A gG	80kA	160kA	IT、TN-C System	√	26
CZLB-160/440/4P	7086079	440VAC	200A gG	80kA	160kA	TN-S System	–	27
CZLB-160/440/1P+1	7053172	440VAC	200A gG	80kA	160kA	TT System	–	27
CZLB-160/440/3P+1	7083196	440VAC	200A gG	80kA	160kA	TT System	–	27

CZLBX Series Screw Mounting SPD

Model	Order No.	Thread	Wiring	Max. operate voltage Uc	Nominal discharge current In(8/20μs)	Impulse current limp(10/350μs)	Protection	Page
CZLBX-48	7041233…	1/2" NPT…	2	48V DC	10kA	2.5kA	RTD、RS-485、AI、AO、DI、DO	29
CZLBX-48-3	7024477…	1/2" NPT…	3	48V DC	10kA	2.5kA	RTD、RS-485、AI、AO、DI、DO	29
CZLBX-48-4	7060125…	1/2" NPT…	4	48V DC	10kA	2.5kA	RTD、RS-485、AI、AO、DI、DO	29

iFL Series Network SPD

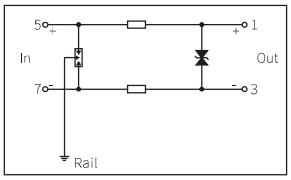
Model	Order No.	Max. operate voltage Uc	Nominal discharge current In(8/20μs)	Protection	Page
iFL-RJ45	7079893	8VDC	2kA	Network	30
iFL-RJ45-2	7978591	8VDC/58VDC	10kA	Network，24VDC power 2 in 1	30
iFL-RJ45-2	7054623	8VDC/275VAC	3kA	Network，220VAC power 2 in 1	30
iFL-RJ45/PoE	7069852	8VDC/60VDC	2kA	PoE	31
iFL-RJ45/GigE	7058560	60VDC	2kA	GigE	31
iFL-RF	7043433	24VDC	10kA	Wireless	32

For 5V signal(IS system)

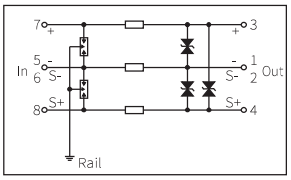
Features

- 12.5mm width
- Pluggable protection module
- Ground via DIN 35mm rail

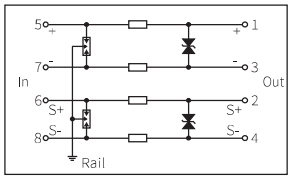
T-5-EX-L



T-5-EX-L3

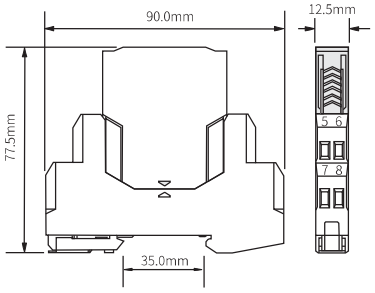


T-5-EX-L4



Technical data		2-wire	3-wire	4-wire
Max. continuous operating voltage U_c		6V DC	6V DC	6V DC
Nominal operating current I_L		500mA	500mA	500mA
Resistance(per line)		1Ω	1Ω	1Ω
Nominal discharge current I_n(8/20μs)		10kA	10kA	10kA
Max. discharge current I_{max}(8/20μs)		20kA	20kA	20kA
Impulse current I_{imp}(10/350μs)		2.5kA	2.5kA	2.5kA
Voltage protection level U_p(8/20μs)	L-L/L-G	40V/600V	40V/600V	40V/600V
Voltage protection level U_p (1kV/μs)	L-L/L-G	20V/600V	20V/600V	20V/600V
Bandwidth(-0.5dB)		40MHz	40MHz	40MHz
Response time		1ns	1ns	1ns
Residual current I_{PE}		<10μA	<10μA	<10μA
Housing protection grade(IEC60529)		IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)		PA66/V0	PA66/V0	PA66/V0
Testing standard		GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification				
Ex marking		II 1G Ex ia IIC T6…T4 Ga	II 1G Ex ia IIC T6…T4 Ga	II 1G Ex ia IIC T6…T4 Ga
Certificate Number		Sira 20ATEX2010X IECEx SIR 20.0018X	Sira 20ATEX2010X IECEx SIR 20.0018X	Sira 20ATEX2010X IECEx SIR 20.0018X
Entity Parameters		Ui=6V; Ii=500mA; Pi=5.32W; Ci≈0μF; Li≈0mH	Ui=6V; Ii=500mA; Pi=5.32W; Ci≈0μF; Li≈0mH	Ui=6V; Ii=500mA; Pi=5.32W; Ci≈0μF; Li≈0mH
Functional safety certification		SIL3	SIL3	SIL3
Type test		Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number		7086993	7025543	7019501

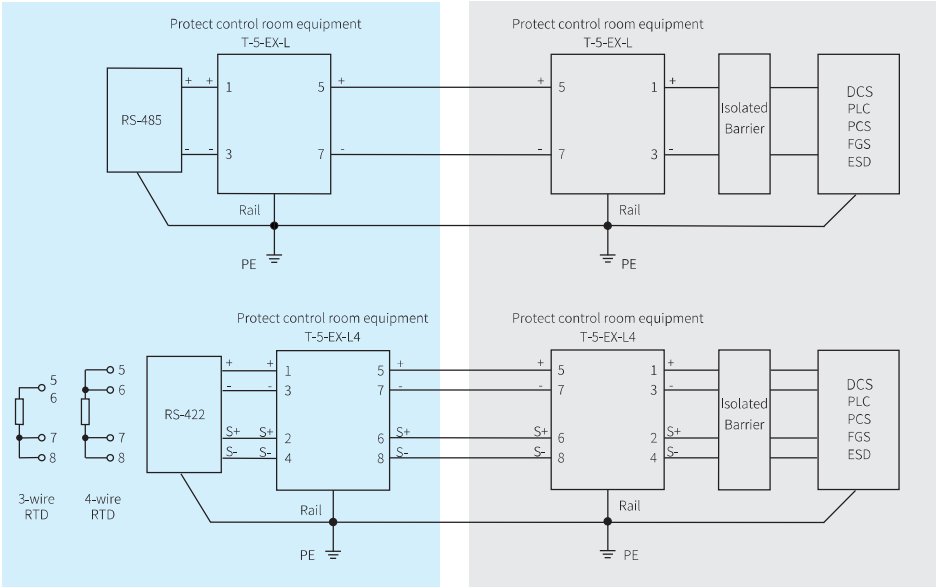
Dimensions



Typical applications

Hazardous area

Safe area

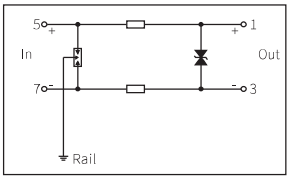


For 24V signal(IS system)

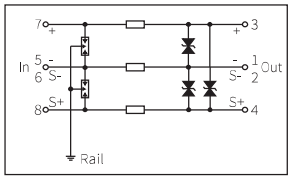
Features

- 12.5mm width
- Pluggable protection module
- Ground via DIN 35mm rail

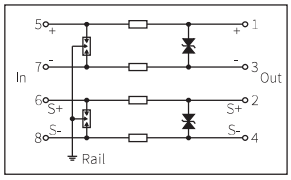
T-24-EX-L



T-24-EX-L3

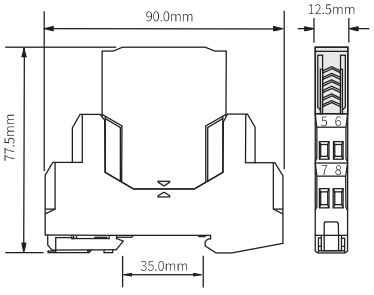


T-24-EX-L4



Technical data		2-wire	3-wire	4-wire
Max. continuous operating voltage U_c		32V DC	32V DC	32V DC
Nominal operating current I_L		500mA	500mA	500mA
Resistance(per line)		1Ω	1Ω	1Ω
Nominal discharge current I_n(8/20μs)		10kA	10kA	10kA
Max. discharge current I_{max}(8/20μs)		20kA	20kA	20kA
Impulse current I_{imp}(10/350μs)		2.5kA	2.5kA	2.5kA
Voltage protection level U_p(8/20μs)	L-L/L-G	60V/600V	60V/600V	60V/600V
Voltage protection level U_p (1kV/μs)	L-L/L-G	40V/600V	40V/600V	40V/600V
Bandwidth(-0.5dB)		40MHz	40MHz	40MHz
Response time		1ns	1ns	1ns
Residual current I_{PE}		<1μA	<1μA	<1μA
Housing protection grade(IEC60529)		IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)		PA66/V0	PA66/V0	PA66/V0
Testing standard		GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification				
Ex marking		II 1G Ex ia IIC T6…T4 Ga	II 1G Ex ia IIC T6…T4 Ga	II 1G Ex ia IIC T6…T4 Ga
Certificate Number		Sira 20ATEX2010X IECEx SIR 20.0018X	Sira 20ATEX2010X IECEx SIR 20.0018X	Sira 20ATEX2010X IECEx SIR 20.0018X
Entity Parameters		Ui=30V;Ii=500mA;Pi=5.32W; Ci≈0μF;Li≈0mH	Ui=30V;Ii=500mA;Pi=5.32W; Ci≈0μF;Li≈0mH	Ui=32V;Ii=500mA;Pi=5.32W; Ci≈0μF;Li≈0mH
Functional safety certification		SIL3	SIL3	SIL3
Type test		Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number		7096962	7097610	7040569

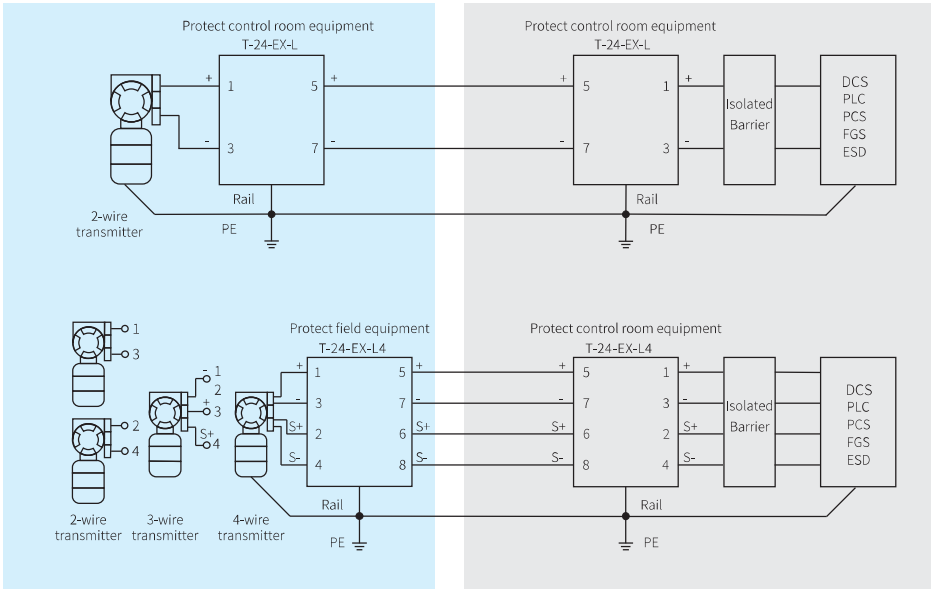
Dimensions



Typical applications

Hazardous area

Safe area

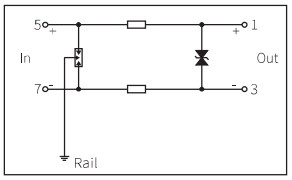


For 5V signal

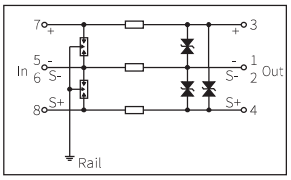
Features

- 12.5mm width
- Pluggable protection module
- Ground via DIN 35mm rail

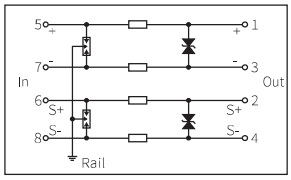
T-5-L



T-5-L3

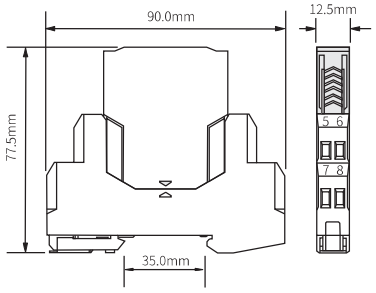


T-5-L4



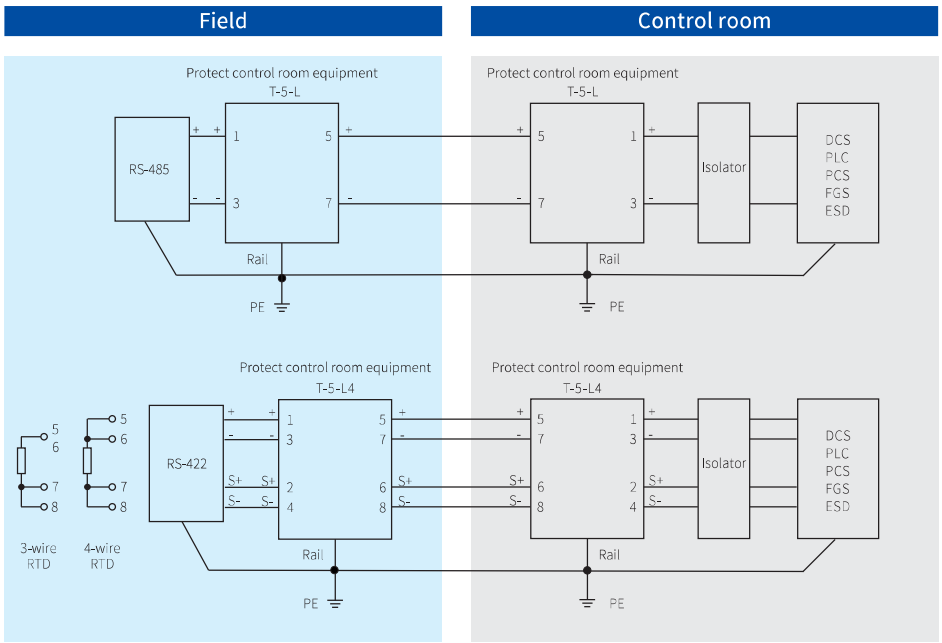
Technical data		2-wire	3-wire	4-wire
Max. continuous operating voltage U_c		6V DC	6V DC	6V DC
Nominal operating current I_L		800mA	800mA	800mA
Resistance(per line)		1Ω	1Ω	1Ω
Nominal discharge current I_n(8/20μs)		10kA	10kA	10kA
Max. discharge current I_{max}(8/20μs)		20kA	20kA	20kA
Impulse current I_{imp}(10/350μs)		2.5kA	2.5kA	2.5kA
Voltage protection level U_p(8/20μs)	L-L/L-G	40V/600V	40V/600V	40V/600V
Voltage protection level U_p (1kV/μs)	L-L/L-G	20V/600V	20V/600V	20V/600V
Bandwidth(-0.5dB)		40MHz	40MHz	40MHz
Response time		1ns	1ns	1ns
Residual current I_{PE}		<10μA	<10μA	<10μA
Housing protection grade(IEC60529)		IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)		PA66/V0	PA66/V0	PA66/V0
Testing standard		GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification				
Functional safety certification		SIL3	SIL3	SIL3
Type test		Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number		7099647	7050235	7029162

Dimensions



SIL3 IEC61508

Typical applications

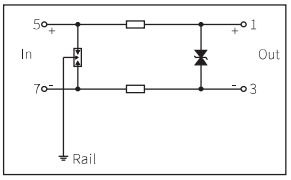


For 24V signal

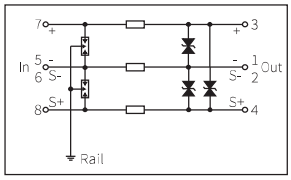
Features

- 12.5mm width
- Pluggable protection module
- Ground via DIN 35mm rail

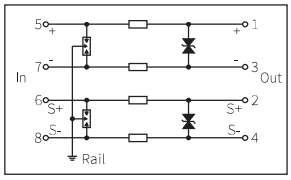
T-24-L



T-24-L3

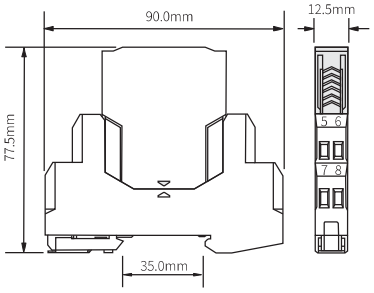


T-24-L4



Technical data	2-wire	3-wire	4-wire
Nominal operating voltage U_n	24V DC	24V DC	24V DC
Max. continuous operating voltage U_c	32V DC	32V DC	32V DC
Nominal operating current I_L	800mA	800mA	800mA
Nominal discharge current I_n(8/20μs)	10kA	10kA	10kA
Impulse current I_{imp}(10/350μs)	2.5kA	2.5kA	2.5kA
Total impulse current I_{imp}(10/350μs)	5kA	7.5kA	10kA
Voltage protection level $U_p(I_n)$	L-G:1.3kV	L-G:1.3kV	L-G:1.3kV
Voltage protection level $U_p(I_{imp})$	L-G:70V	L-G:70V	L-G:70V
Voltage protection level U_p (1kV/μs)	L-L:40V,L-G:90V	L-L:40V,L-G:90V	L-L:40V,L-G:90V
Bandwidth(-0.5dB)	40MHz	40MHz	40MHz
Response time	L-L:1ns,L-G:200ns	L-L:1ns,L-G:200ns	L-L:1ns,L-G:200ns
Resistance(per line)	1Ω	1Ω	1Ω
Residual current I_{PE}	<1μA	<1μA	<1μA
Housing protection grade(IEC60529)	IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0	PA66/V0
Testing standard	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification			
Functional safety certification	SIL3	SIL3	SIL3
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	7023959	7091758	7074245

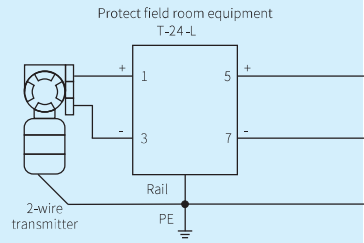
Dimensions

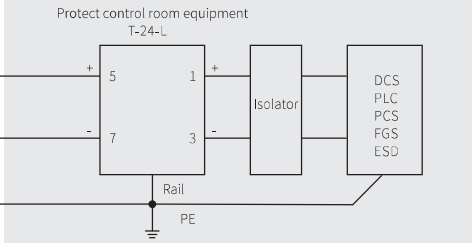


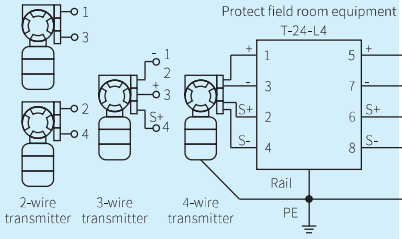
SIL3 IEC61508

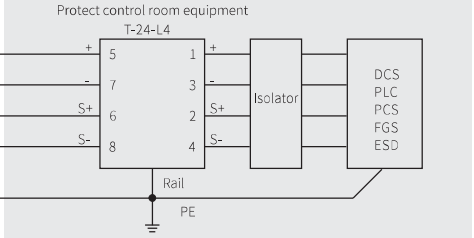
Typical applications

Field







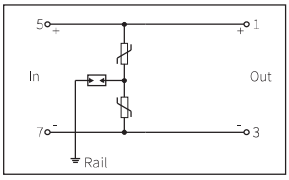


For DC power

Features

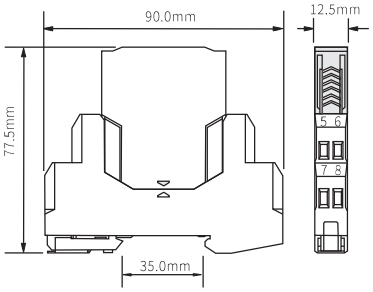
- 12.5mm width
- Pluggable protection module
- Ground via DIN 35mm rail

T-24

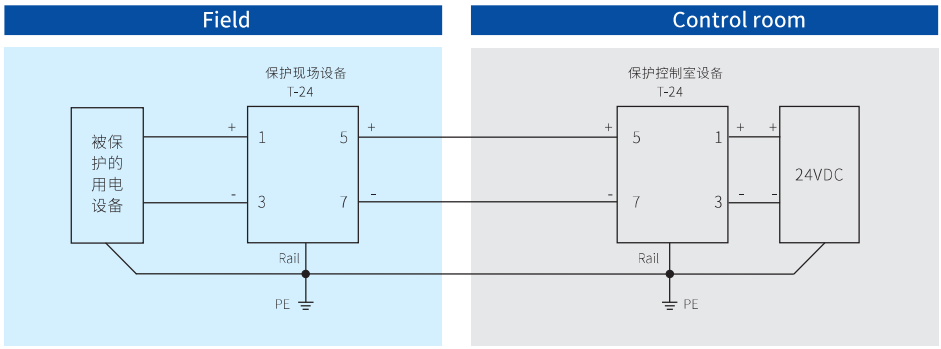


Technical data	
Max. continuous operating voltage U_c	58VDC/40VAC
Nominal operating current I_L	10A
Nominal discharge current I_n (8/20μs)	10kA
Max. discharge current I_{max} (8/20μs)	20kA
Impulse current I_{imp} (10/350μs)	2.5kA
Voltage protection level U_p	800V
Recommended grounding cable	2.5mm²
Residual current I_{PE}	<20μA
Response time	25ns
Housing protection grade(IEC60529)	IP 20
Housing material/Flammability rating(UL94)	PA66/V0
Testing standard	GB/T 18802.21/IEC 61643-21
Certification	
Type test	Shanghai Lightning Protection Center
Order number	7062371

Dimensions



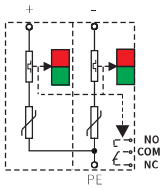
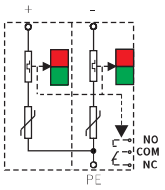
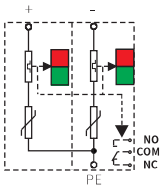
Typical applications



For DC power

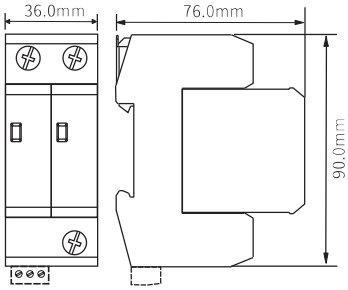
Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

	T2-24 T2-24F	T2-110 T2-110F	T2-220 T2-220F
			

Technical data			
Max. continuous operating voltage U_c	90VDC/60VAC	180VDC/120VAC	320VDC/220VAC
Nominal discharge current I_n(8/20μs)	20kA	20kA	20kA
Max. discharge current I_{max}(8/20μs)	40kA	40kA	40kA
Voltage protection level U_p	600V	800V	1.2kV
Recommended backup fuse	80A gG	80A gG	80A gG
Short-circuit current rating I_{SCCR}	1000A	1000A	1000A
Recommended grounding cable	4~35mm²	4~35mm²	4~35mm²
Response time	25ns	25ns	25ns
Residual current	<10μA	<10μA	<10μA
Remote alarm output (model F)	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)	IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0	PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11
Certification			
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	T2-24: 7073945	T2-110: 7089524	T2-220: 7065567
	T2-24F: 7093094	T2-110F: 7062355	T2-220F: 7011000

Dimensions (18mm/P)

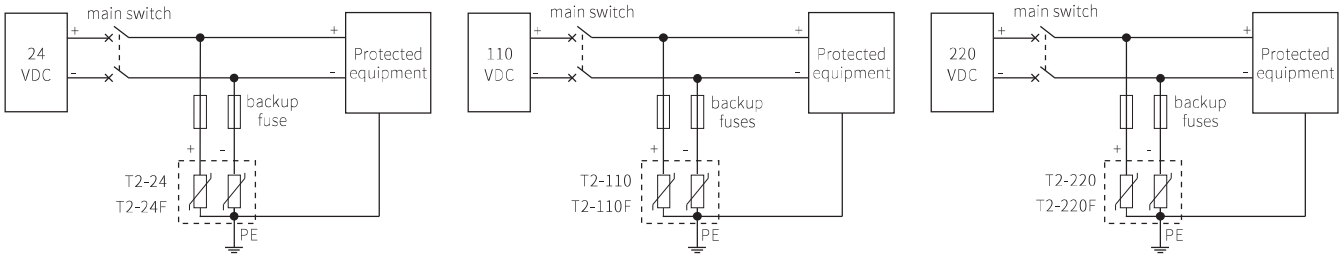


76.0mm×90.0mm×36.0mm

76.0mm×90.0mm×36.0mm

76.0mm×90.0mm×36.0mm

Typical applications



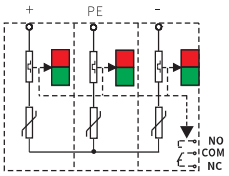
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

For DC power

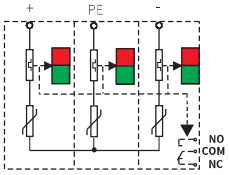
Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

T2-1000
T2-1000F

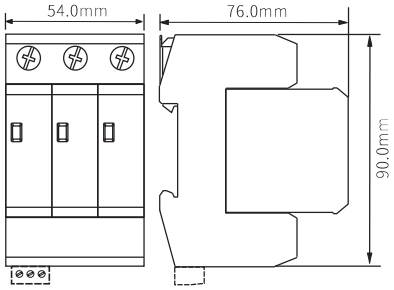


T2-1500
T2-1500F



Technical data		
Max. continuous operating voltage U_c	1000VDC	1500VDC
Nominal discharge current I_n(8/20μs)	20kA	20kA
Max. discharge current I_{max}(8/20μs)	40kA	40kA
Voltage protection level U_p	4kV	6kV
Short-circuit current rating Iscpv	1000A	1000A
Recommended backup fuse	80A gG	80A gG
Recommended grounding cable	4~35mm²	4~35mm²
Response time	25ns	25ns
Residual current	<10μA	<10μA
Remote alarm output（model F）	250VAC/0.5A；24VDC/0.5A	250VAC/0.5A；24VDC/0.5A
Housing protection grade(IEC60529)	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0
Testing standard	GB/T 18802.31/IEC 61643-31	GB/T 18802.31/IEC 61643-31
Certification		
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	T2-1000：7053964	T2-1500：7094994
	T2-1000F：7065508	T2-1500F：7067731

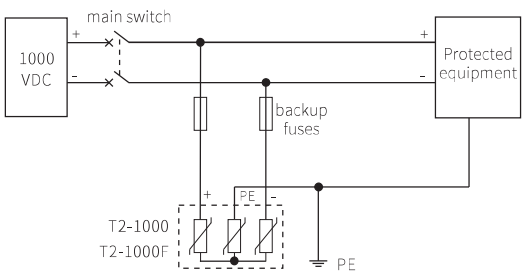
Dimensions（18mm/P）

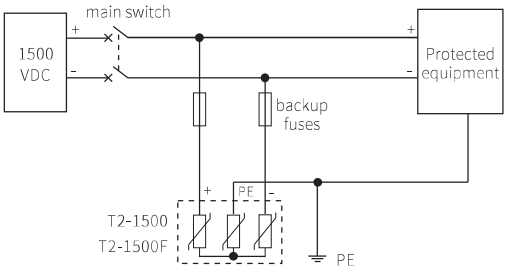


76.0mm×90.0mm×54.0mm

76.0mm×90.0mm×54.0mm

Typical applications



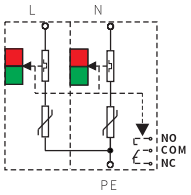
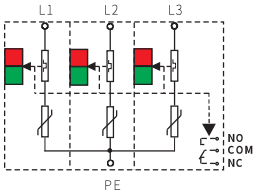
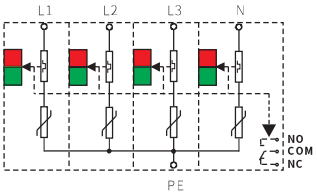


Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

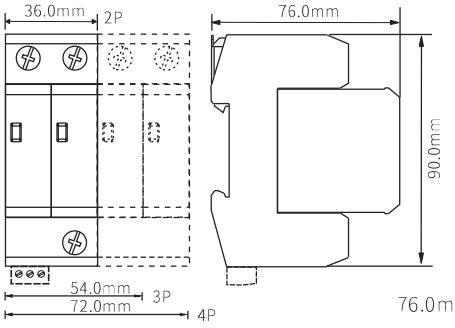
For AC power(40kA)

Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

	T2-40/2P T2-40/2PF	T2-40/3P T2-40/3PF	T2-40/4P T2-40/4PF
			
Technical data			
Max. continuous operating voltage U_c	385VAC	385VAC	385VAC
Nominal discharge current I_n(8/20μs)	20kA	20kA	20kA
Max. discharge current I_{max}(8/20μs)	40kA	40kA	40kA
Voltage protection level U_p	1.7kV	1.7kV	1.7kV
Recommended backup fuse	80A gG	80A gG	80A gG
Short-circuit current rating I_{SCCR}	1000A	1000A	1000A
Recommended grounding cable	4~35mm²	4~35mm²	4~35mm²
Response time	25ns	25ns	25ns
Residual current	<20μA	<20μA	<20μA
Remote alarm output (model F)	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)	IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0	PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11
Power supply system	Single phase (TN)	Three-phase four line (TN-C) Three-phase three line (IT)	Three-phase five line (TN-S)
Certification			
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	T2-40/2P: 7067699	T2-40/3P: 7079704	T2-40/4P: 7085466
	T2-40/2PF: 7062709	T2-40/3PF: 7046181	T2-40/4PF: 7018432

Dimensions (18mm/P)

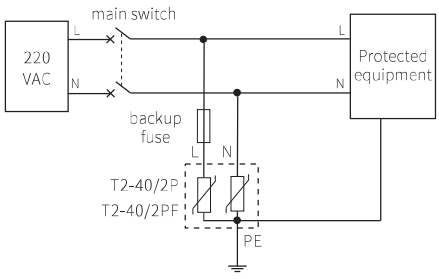


76.0mm×90.0mm×36.0mm

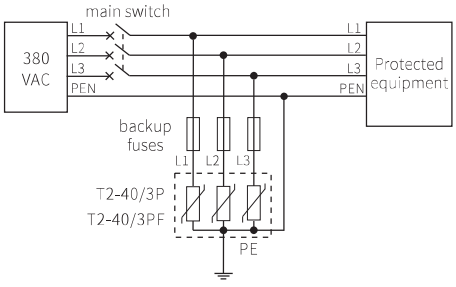
76.0mm×90.0mm×54.0mm

76.0mm×90.0mm×72.0mm

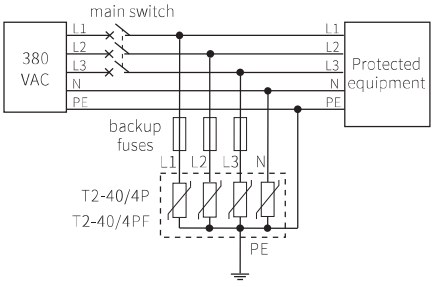
Typical applications



Single phase (TN)



Three-phase four line (TN-C)



Three-phase five line (TN-S)

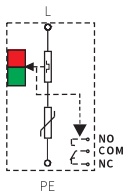
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

For AC power(40kA)

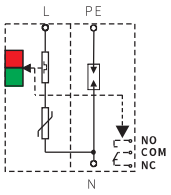
Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

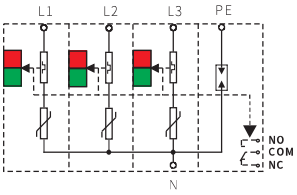
T2-40/1P
T2-40/1PF



T2-40/1P+1
T2-40/1P+1F

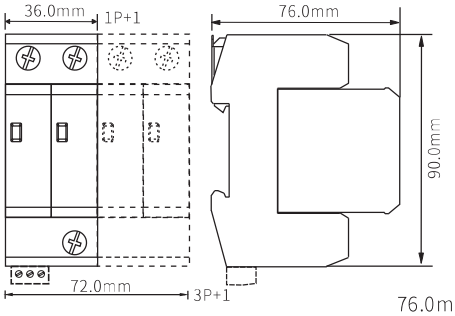


T2-40/3P+1
T2-40/3P+1F



Technical data		T2-80G module	T2-40 module	T2-80G module	T2-40 module
Max. continuous operating voltage U_c	385VAC	255VAC	385VAC	255VAC	385VAC
Nominal discharge current I_n(8/20μs)	20kA	40KA	20kA	40KA	20kA
Max. discharge current I_{max}(8/20μs)	40kA	80kA	40kA	80kA	40kA
Voltage protection level U_p	1.7kV	1.2kV	1.7kV	1.2kV	1.7kV
Recommended backup fuse	80A gG		80A gG		80A gG
Short-circuit current rating I_{SCCR}	1000A		1000A		1000A
Recommended grounding cable	4~35mm²		4~35mm²		4~35mm²
Response time	25ns		25ns		25ns
Residual current	<20μA		<20μA		<20μA
Remote alarm output (model F)	250VAC/0.5A; 24VDC/0.5A		250VAC/0.5A; 24VDC/0.5A		250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)	IP 20		IP 20		IP 20
Housing material/Flammability rating(UL94)	PA66/V0		PA66/V0		PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11		GB/T 18802.11/IEC 61643-11		GB/T 18802.11/IEC 61643-11
Power supply system	Single line		Single phase (TT)		Three-phase four line (TT)
Certification					
Type test	Shanghai Lightning Protection Center		Shanghai Lightning Protection Center		Shanghai Lightning Protection Center
Order number	T2-40/1P: 7056020		T2-40/1P+1: 7032273		T2-40/3P+1: 7085025
	T2-40/1PF: 7031533		T2-40/1P+1F: 7070280		T2-40/3P+1F: 7081984

Dimensions (18mm/P)

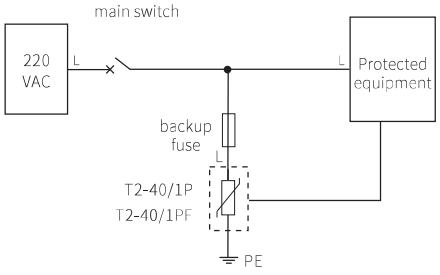


76.0mm×90.0mm×18.0mm

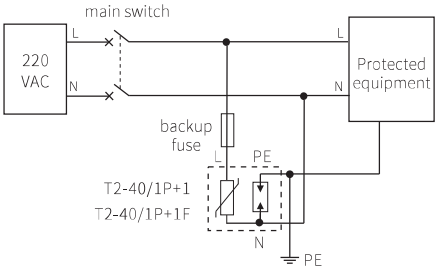
76.0mm×90.0mm×36.0mm

76.0mm×90.0mm×72.0mm

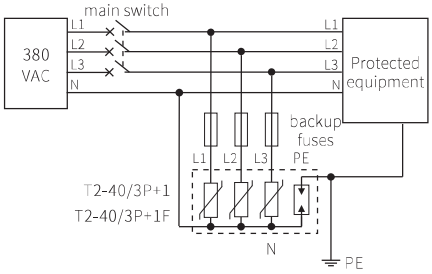
Typical applications



Single line



Single phase (TT)



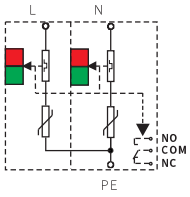
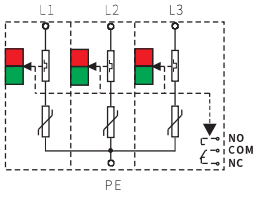
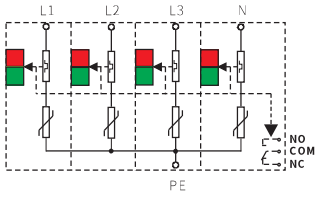
Three-phase four line (TT)

Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

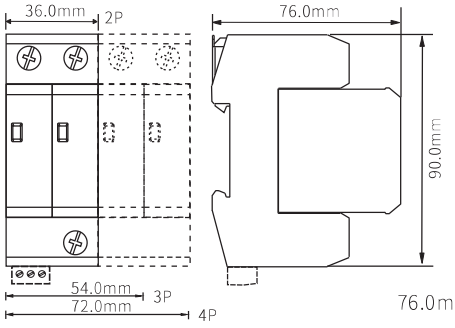
For AC power(80kA)

Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

	T2-80/2P T2-80/2PF	T2-80/3P T2-80/3PF	T2-80/4P T2-80/4PF
			
Technical data			
Max. continuous operating voltage U_c	385VAC	385VAC	385VAC
Nominal discharge current I_n(8/20μs)	40kA	40kA	40kA
Max. discharge current I_{max}(8/20μs)	80kA	80kA	80kA
Voltage protection level U_p	2.0kV	2.0kV	2.0kV
Recommended backup fuse	125A gG	125A gG	125A gG
Short-circuit current rating I_{SCCR}	1000A	1000A	1000A
Recommended grounding cable	4~35mm²	4~35mm²	4~35mm²
Response time	25ns	25ns	25ns
Residual current	<20μA	<20μA	<20μA
Remote alarm output (model F)	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)	IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0	PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11
Power supply system	Single phase (TN)	Three-phase four line (TN-C) Three-phase three line (IT)	Three-phase five line (TN-S)
Certification			
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	T2-80/2P: 7030066 T2-80/2PF: 7066780	T2-80/3P: 7025082 T2-80/3PF: 7038693	T2-80/4P: 7018734 T2-80/4PF: 7088870

Dimensions (18mm/P)

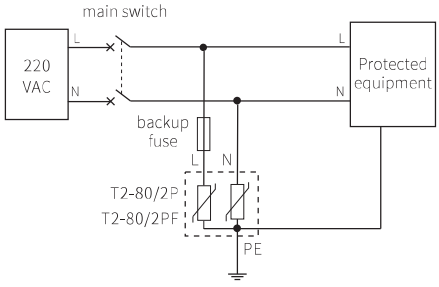


76.0mm×90.0mm×36.0mm

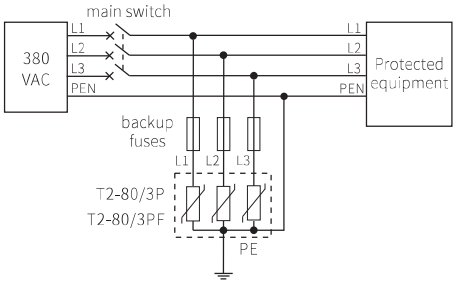
76.0mm×90.0mm×54.0mm

76.0mm×90.0mm×72.0mm

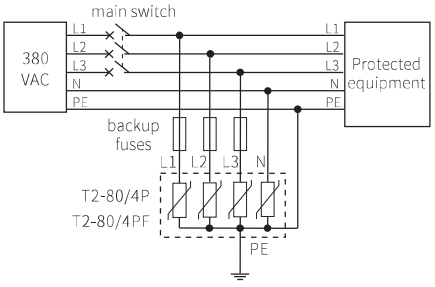
Typical applications



Single phase (TN)



Three-phase four line (TN-C)



Three-phase five line (TN-S)

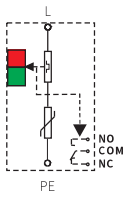
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

For AC power(80kA)

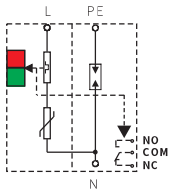
Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

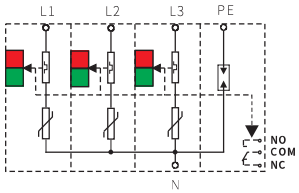
T2-80/1P
T2-80/1PF



T2-80/1P+1
T2-80/1P+1F

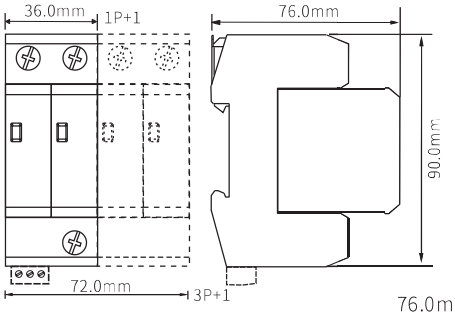


T2-80/3P+1
T2-80/3P+1F



Technical data		T2-80G module	T2-80 module	T2-80G module	T2-80 module
Max. continuous operating voltage U_c	385VAC	255VAC	385VAC	255VAC	385VAC
Nominal discharge current I_n(8/20μs)	40kA	40KA	40kA	40KA	40kA
Max. discharge current I_{max}(8/20μs)	80kA	80kA	80kA	80kA	80kA
Voltage protection level U_p	2.0kV	1.2kV	2.0kV	1.2kV	2.0kV
Recommended backup fuse	125A gG		125A gG		125A gG
Short-circuit current rating I_{SCCR}	1000A		1000A		1000A
Recommended grounding cable	4~35mm²		4~35mm²		4~35mm²
Response time	25ns		25ns		25ns
Residual current	<20μA		<20μA		<20μA
Remote alarm output (model F)	250VAC/0.5A; 24VDC/0.5A		250VAC/0.5A; 24VDC/0.5A		250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)	IP 20		IP 20		IP 20
Housing material/Flammability rating(UL94)	PA66/V0		PA66/V0		PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11		GB/T 18802.11/IEC 61643-11		GB/T 18802.11/IEC 61643-11
Power supply system	Single line		Single phase (TT)		Three-phase four line (TT)
Certification					
Type test	Shanghai Lightning Protection Center		Shanghai Lightning Protection Center		Shanghai Lightning Protection Center
Order number	T2-80/1P: 7077138		T2-80/1P+1: 7015677		T2-80/3P+1: 7055729
	T2-80/1PF: 7012410		T2-80/1P+1F: 7042357		T2-80/3P+1F: 7058261

Dimensions (18mm/P)

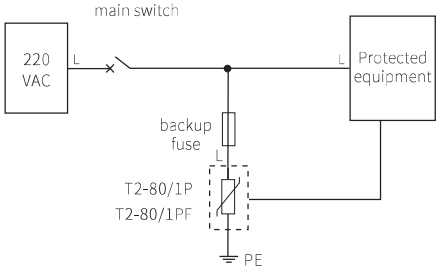


76.0mm×90.0mm×18.0mm

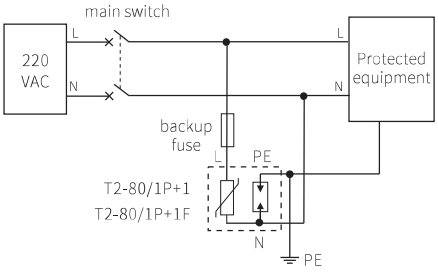
76.0mm×90.0mm×36.0mm

76.0mm×90.0mm×72.0mm

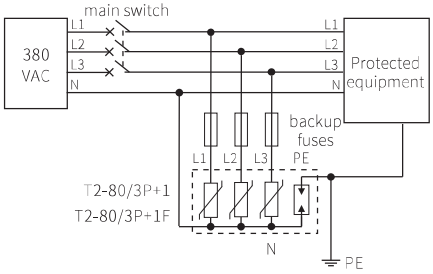
Typical applications



Single line



Single phase (TT)



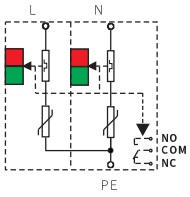
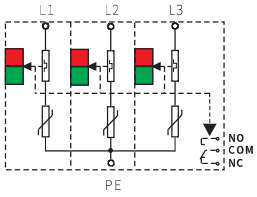
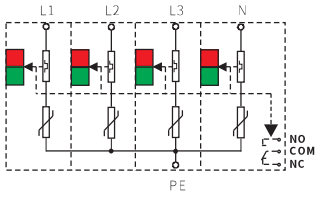
Three-phase four line (TT)

Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

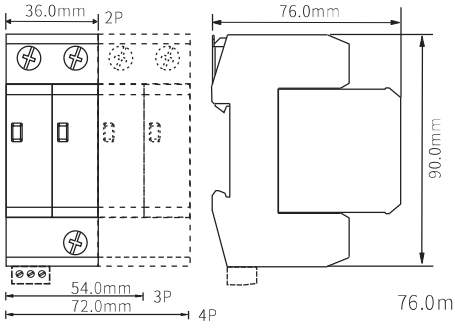
For AC power(40kA)(400/690VAC)

Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

	T2-40/700/2P T2-40/700/2PF	T2-40/700/3P T2-40/700/3PF	T2-40/700/4P T2-40/700/4PF
			
Technical data			
Max. continuous operating voltage U_c	700VAC	700VAC	700VAC
Nominal discharge current I_n(8/20μs)	20kA	20kA	20kA
Max. discharge current I_{max}(8/20μs)	40kA	40kA	40kA
Voltage protection level U_p	2.8kV	2.8kV	2.8kV
Recommended backup fuse	80A gG	80A gG	80A gG
Short-circuit current rating I_{SCCR}	1000A	1000A	1000A
Recommended grounding cable	4~35mm²	4~35mm²	4~35mm²
Response time	25ns	25ns	25ns
Residual current	<20μA	<20μA	<20μA
Remote alarm output (model F)	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)	IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0	PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11
Power supply system	Single phase (TN)	Three-phase four line (TN-C) Three-phase three line (IT)	Three-phase five line (TN-S)
Certification			
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	T2-40/700/2P: 7031662 T2-40/700/2PF: 7087013	T2-40/700/3P: 7066877 T2-40/700/3PF: 7028674	T2-40/700/4P: 7087771 T2-40/700/4PF: 7020165

Dimensions (18mm/P)

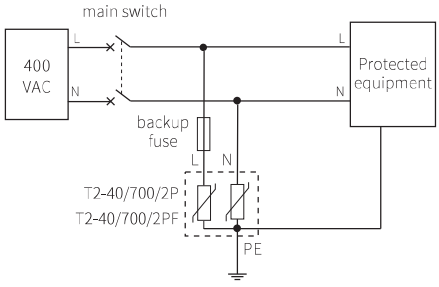


76.0mm×90.0mm×36.0mm

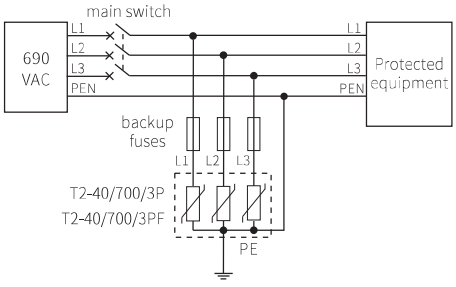
76.0mm×90.0mm×54.0mm

76.0mm×90.0mm×72.0mm

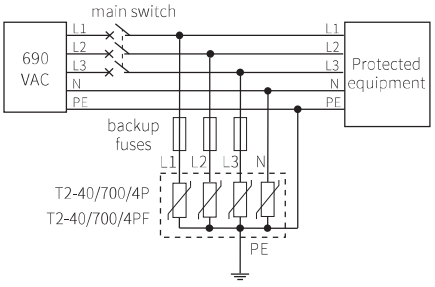
Typical applications



Single phase (TN)



Three-phase four line (TN-C)



Three-phase five line (TN-S)

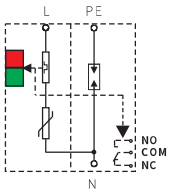
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

For AC power(40kA)(400/690VAC)

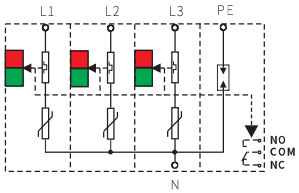
Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

T2-40/700/1P+1
T2-40/700/1P+1F

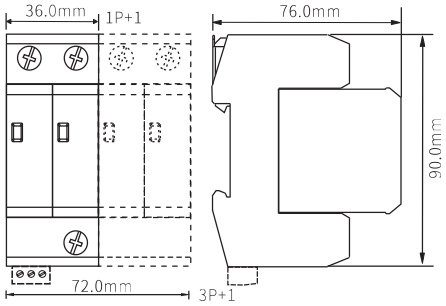


T2-40/700/3P+1
T2-40/700/3P+1F



Technical data	T2-80GH module	T2-40/700 module	T2-80GH module	T2-40/700 module
Max. continuous operating voltage U_c	2000VDC	700VAC	2000VDC	700VAC
Nominal discharge current I_n(8/20μs)	40KA	20kA	40KA	20kA
Max. discharge current I_{max}(8/20μs)	80kA	40kA	80kA	40kA
Voltage protection level U_p	3.5kV	2.8kV	3.5kV	2.8kV
Recommended backup fuse		80A gG		80A gG
Short-circuit current rating I_{SCCR}		1000A		1000A
Recommended grounding cable		4~35mm²		4~35mm²
Response time		25ns		25ns
Residual current		<20μA		<20μA
Remote alarm output (model F)		250VAC/0.5A; 24VDC/0.5A		250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)		IP 20		IP 20
Housing material/Flammability rating(UL94)		PA66/V0		PA66/V0
Testing standard		GB/T 18802.11/IEC 61643-11		GB/T 18802.11/IEC 61643-11
Power supply system		Single phase (TT)		Three-phase four line (TT)
Certification				
Type test		Shanghai Lightning Protection Center		Shanghai Lightning Protection Center
Order number		T2-40/700/1P+1: 7062817		T2-40/700/3P+1: 7013762
		T2-40/700/1P+1F: 7033598		T2-40/700/3P+1F: 7097406

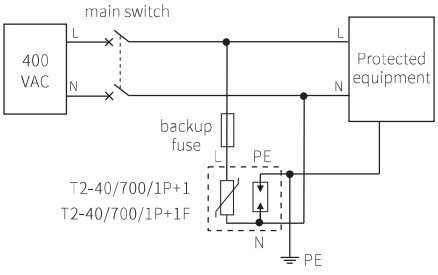
Dimensions (18mm/P)



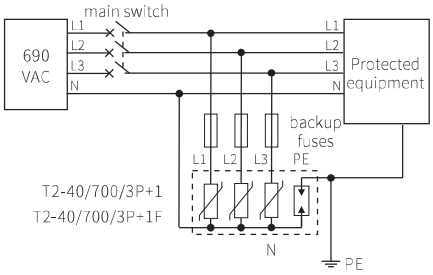
76.0mm×90.0mm×36.0mm

76.0mm×90.0mm×72.0mm

Typical applications



Single phase (TT)



Three-phase four line (TT)

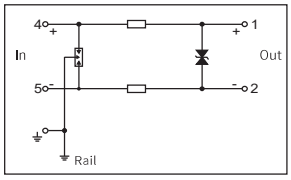
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

For 5V signal(IS system)

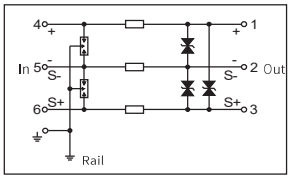
Features

- 7.6mm width
- Resistance per line:1Ω
- Ground viaterminal or DIN 35mm rail

CZLB-5(T2)

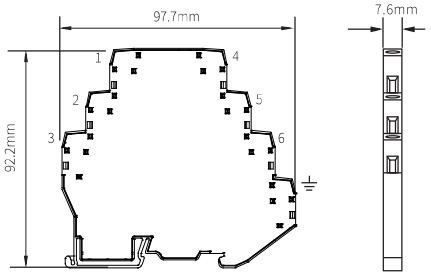


CZLB-5(R3)

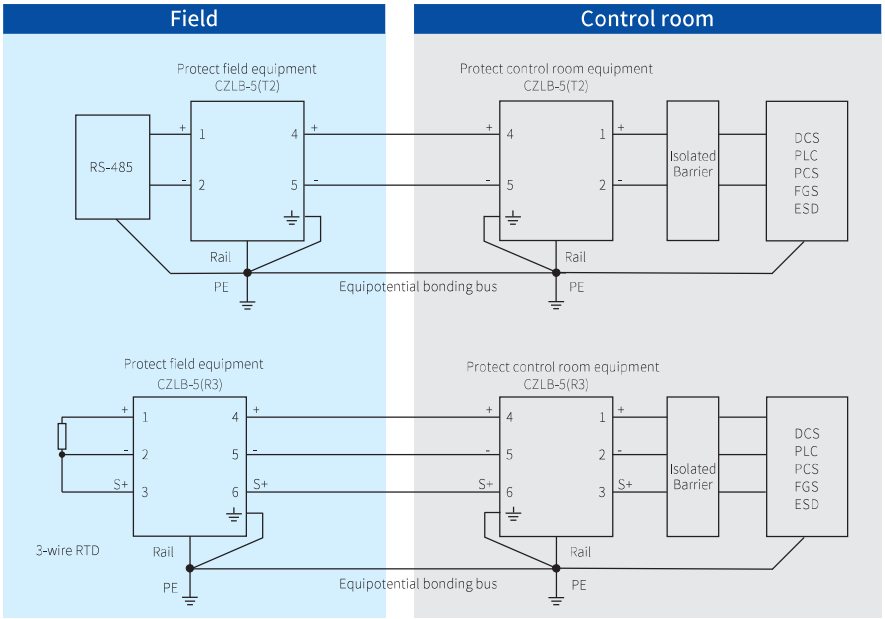


Technical data	2-wire	3-wire
Max. continuous operating voltage U_c	6V DC	6V DC
Nominal operating current I_L	500mA	500mA
Resistance(per line)	1Ω	1Ω
Nominal discharge current I_n(8/20μs)	10kA	10kA
Max. discharge current I_{max}(8/20μs)	20kA	20kA
Impulse current I_{imp}(10/350μs)	2.5kA	2.5kA
Voltage protection level U_p L-L/L-G	40V/600V	40V/600V
Bandwidth (-0.5dB)	40MHz	40MHz
Response time	1ns	1ns
Residual current	<10μA	<10μA
Housing protection grade(IEC60529)	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0
Testing standard	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification		
Ex marking	Ex ia IIC T4···T6 Ga	Ex ia IIC T4···T6 Ga
Certificate Number	See Certification for details	See Certification for details
Entity Parameters	Ui=6V; Ii=500mA; Pi=0.75W; Ci≈0μF; Li≈0mH	Ui=6V; Ii=500mA; Pi=0.75W; Ci≈0μF; Li≈0mH
Functional safety certification	SIL3	SIL3
Type t est	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	7051773	7014195

Dimensions



Typical applications

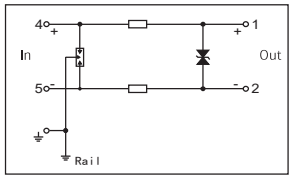


For 24V signal(IS system)

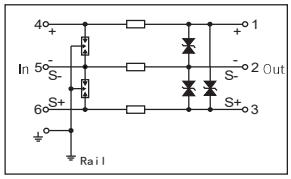
Features

- 7.6mm width
- Resistance per line:1Ω
- Ground viaterminal or DIN 35mm rail

CZLB-24(B2)

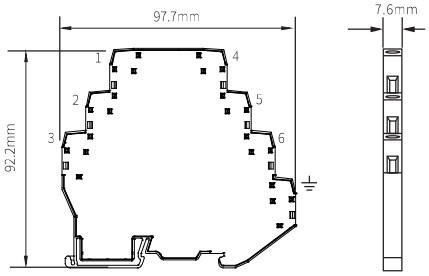


CZLB-24(B3)

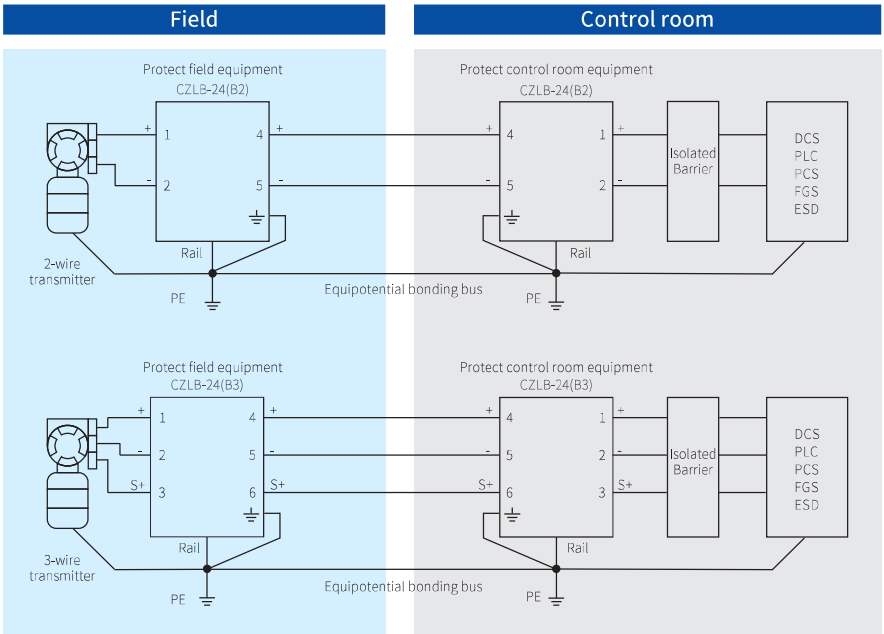


Technical data	2-wire	3-wire
Max. continuous operating voltage U_c	32V DC	32V DC
Nominal operating current I_L	500mA	500mA
Resistance(per line)	1Ω	1Ω
Nominal discharge current I_n(8/20μs)	10kA	10kA
Max. discharge current I_{max}(8/20μs)	20kA	20kA
Impulse current I_{imp}(10/350μs)	2.5kA	2.5kA
Voltage protection level U_p L-L/L-G	60V/600V	60V/600V
Bandwidth (-0.5dB)	40MHz	40MHz
Response time	1ns	1ns
Residual current	<1μA	<1μA
Housing protection grade(IEC60529)	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0
Testing standard	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification		
Ex marking	Ex ia IIC T4 ···T6 Ga	Ex ia IIC T4 ···T6 Ga
Certificate Number	See Certification for details	See Certification for details
Entity Parameters	Ui=30V;Ii=500mA; Pi=0.75W; Ci≈0μF;Li≈0mH	Ui=30V;Ii=500mA; Pi=0.75W; Ci≈0μF;Li≈0mH
Functional safety certification	SIL3	SIL3
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	7090592	7013226

Dimensions



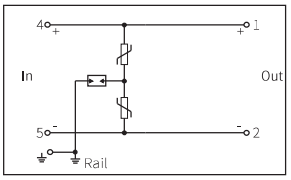
Typical applications



Features

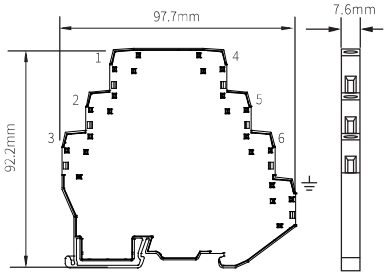
- 7.6mm width
- Ground via terminal or DIN 35mm rail

CZLB-24P

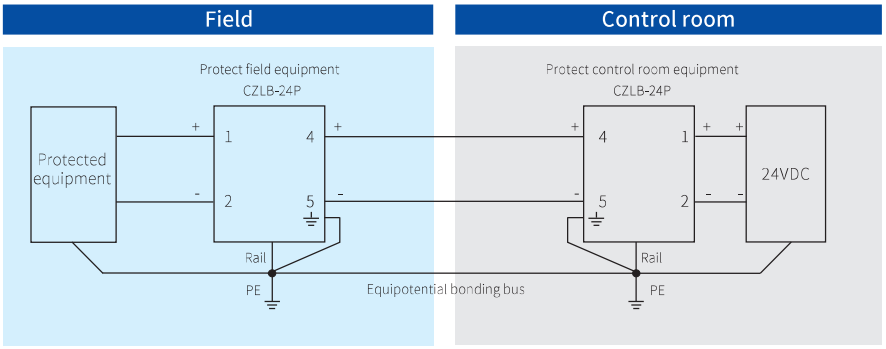


Technical data	
Max. continuous operating voltage U_c	58VDC/40VAC
Nominal operating current I_L	10A
Nominal discharge current I_n(8/20μs)	10kA
Max. discharge current I_{max}(8/20μs)	20kA
Impulse current I_{imp}(10/350μs)	2.5kA
Voltage protection level U_p	800V
Recommended grounding cable	2.5mm²
Response time	25ns
Residual current	<20μA
Housing protection grade(IEC60529)	IP 20
Housing material/Flammability rating(UL94)	PA66/V0
Testing standard	GB/T 18802.21/IEC 61643-21
Certification	
Type test	Shanghai Lightning Protection Center
Order number	7059650

Dimensions



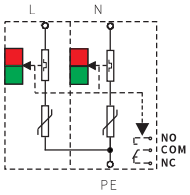
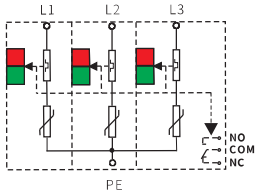
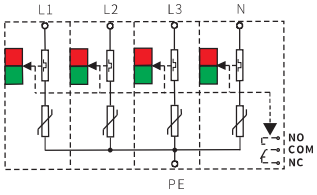
Typical applications



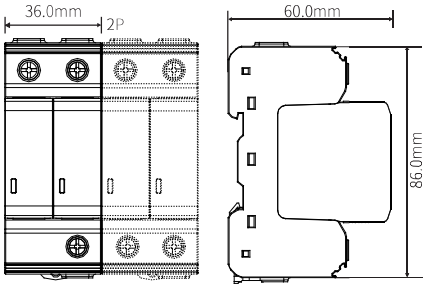
For AC Power(40kA)

Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

	CZLB-40/2P CZLB-40/2PF	CZLB-40/3P CZLB-40/3PF	CZLB-40/4P CZLB-40/4PF
			
Technical data			
Max. continuous operating voltage U_c	385VAC	385VAC	385VAC
Nominal discharge current I_n(8/20μs)	20kA	20kA	20kA
Max. discharge current I_{max}(8/20μs)	40kA	40kA	40kA
Voltage protection level U_p	1.7kV	1.7kV	1.7kV
Recommended backup fuse	80A gG	80A gG	80A gG
Short-circuit current rating I_{SCCR}	1000A	1000A	1000A
Recommended grounding cable	4~25mm²	4~25mm²	4~25mm²
Response time	25ns	25ns	25ns
Residual current	<20μA	<20μA	<20μA
Remote alarm output (model F)	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A	250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)	IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0	PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11
Power supply system	Single phase (TN)	hree-phase four line (TN-C) Three-phase three line (IT)	Three-phase five line (TN-S)
Certification			
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	CZLB-40/2P: 7051402 CZLB-40/2PF: 7028111	CZLB-40/3P: 7061543 CZLB-40/3PF: 7023751	CZLB-40/4P: 7045781 CZLB-40/4PF: 7094265

Dimensions (18mm/P)

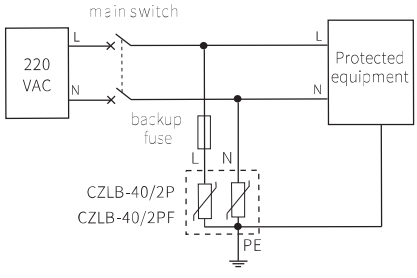


60.0mm×86.0mm×36.0mm

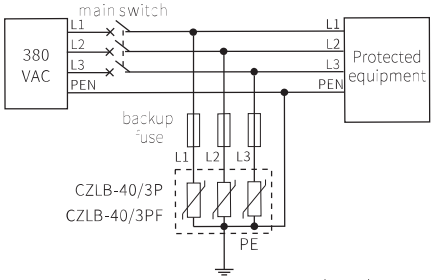
60.0mm×86.0mm×54.0mm

60.0mm×86.0mm×72.0mm

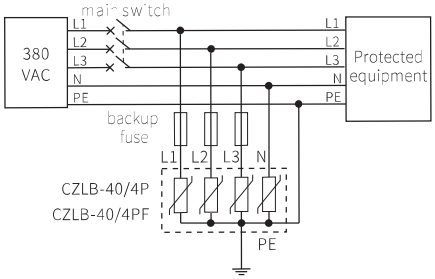
Typical applications



Single phase (TN)



Three-phase four line (TN-C)



Three-phase five line (TN-S)

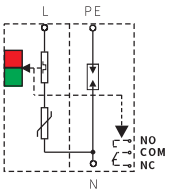
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

For AC Power(40kA)

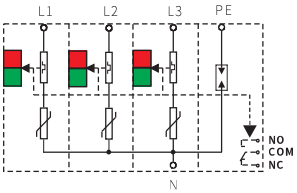
Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

CZLB-40/1P+1
CZLB-40/1P+1F

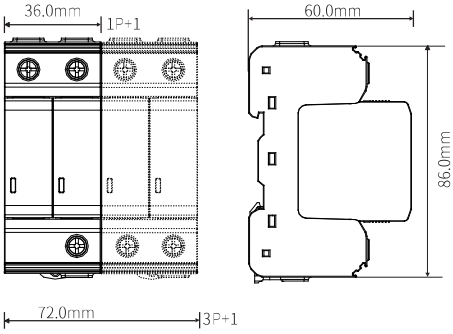


CZLB-40/3P+1
CZLB-40/3P+1F



Technical data	CZLB-40G Module	C2-40 Module	CZLB-40G Module	CZLB-40 Module
Max. continuous operating voltage U_c	255VAC	385VAC	255VAC	385VAC
Nominal discharge current I_n(8/20μs)	20KA	20kA	20KA	20kA
Max. discharge current I_{max}(8/20μs)	40kA	40kA	40kA	40kA
Voltage protection level U_p	1.2kV	1.7kV	1.2kV	1.7kV
Recommended backup fuse		80A gG		80A gG
Short-circuit current rating I_{SCCR}		1000A		1000A
Recommended grounding cable		4~25mm²		4~25mm²
Response time		25ns		25ns
Residual current		<20μA		<20μA
Remote alarm output (model F)		250VAC/0.5A; 24VDC/0.5A		250VAC/0.5A; 24VDC/0.5A
Housing protection grade(IEC60529)		IP 20		IP 20
Housing material/Flammability rating(UL94)		PA66/V0		PA66/V0
Testing standard		GB/T 18802.11/IEC 61643-11		GB/T 18802.11/IEC 61643-11
Power supply system		Single phase (TT)		Three-phase four line (TT)
Certification				
Type test		Shanghai Lightning Protection Center		Shanghai Lightning Protection Center
Order number		CZLB-40/1P+1: 7047317		CZLB-40/3P+1: 7078829
		CZLB-40/1P+1F: 7054943		CZLB-40/3P+1F: 7091611

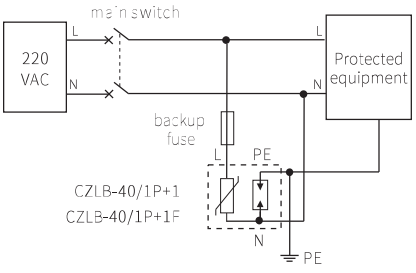
Dimensions (18mm/P)



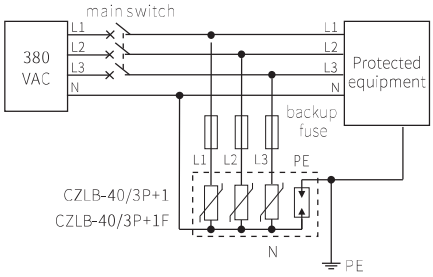
60.0mm×86.0mm×36.0mm

60.0mm×86.0mm×72.0mm

Typical applications



Single phase (TT)



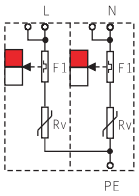
Three-phase four line (TT)

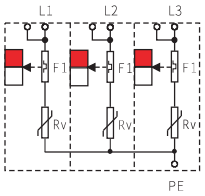
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

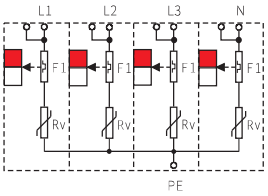
For AC Power(160kA)

Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

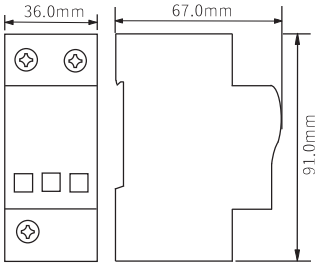






Technical data	CZLB-160/440/2P	CZLB-160/440/3P	CZLB-160/440/4P
Max. continuous operating voltage U_c	440VAC	440VAC	440VAC
Nominal discharge current I_n(8/20μs)	80kA	80kA	80kA
Max. discharge current I_{max}(8/20μs)	160kA	160kA	160kA
Impulse current I_{imp} (10/350μs)	15kA	15kA	15kA
Voltage protection level U_p (In)	2.8kV	2.8kV	2.8kV
Recommended backup fuse	200A gG	200A gG	200A gG
Recommended grounding cable	4~35mm²	4~35mm²	4~35mm²
Response time	25ns	25ns	25ns
Housing protection grade(IEC60529)	IP 20	IP 20	IP 20
Housing material/Flammability rating(UL94)	PA66/V0	PA66/V0	PA66/V0
Testing standard	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11	GB/T 18802.11/IEC 61643-11
Power supply system	Single phase（TN）	hree-phase four line（TN-C） Three-phase three line（IT）	Three-phase five line（TN-S）
Certification			
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	7024977	7069757	7086079

Dimensions（36mm/P）

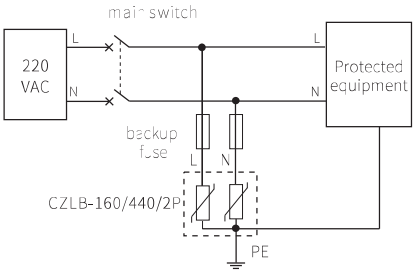


67.0mm×91.0mm×72.0mm

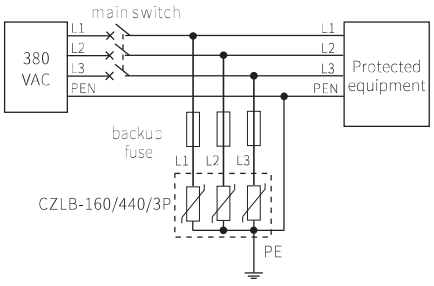
67.0mm×91.0mm×108.0mm

67.0mm×91.0mm×144.0mm

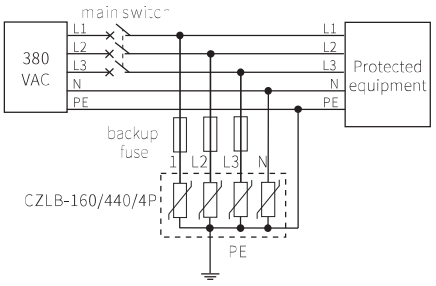
Dimensions



Single phase（TN）



Three-phase four line（TN-C）



Three-phase five line（TN-S）

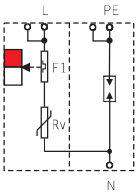
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

For AC Power(160kA)

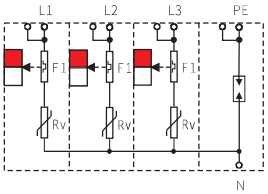
Features

- Status indication:
  Green: OK
  Red: Failed
- Pluggable
- Remote alarm output is optional, named with "F"

CZLB-160/440/1P+1

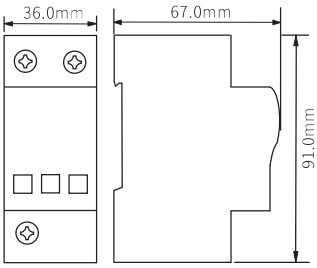


CZLB-160/440/3P+1



Technical data	CZLB-160/255	CZLB-160/440	CZLB-160/255	CZLB-160/440
Max. continuous operating voltage U_c	255VAC	440VAC	255VAC	440VAC
Nominal discharge current I_n(8/20μs)	80kA	80kA	80kA	80kA
Max. discharge current I_{max}(8/20μs)	160kA	160kA	160kA	160kA
Impulse current I_{imp} (10/350μs)	50kA	15kA	50kA	15kA
Voltage protection level U_p (In)	2.5kV	2.8kV	2.5kV	2.8kV
Recommended backup fuse		200A gG		200A gG
Recommended grounding cable		4~35mm²		4~35mm²
Response time		25ns		25ns
Housing protection grade(IEC60529)		IP 20		IP 20
Housing material/Flammability rating(UL94)		PA66/V0		PA66/V0
Testing standard		GB/T 18802.11/IEC 61643-11		GB/T 18802.11/IEC 61643-11
Power supply system		Single phase （TT）		Three-phase four line（TT）
Certification				
Type test		Shanghai Lightning Protection Center		Shanghai Lightning Protection Center
Order number		7053172		7083196

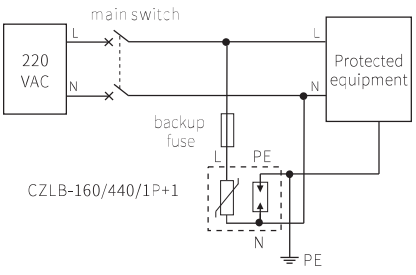
Dimensions （36mm/P）



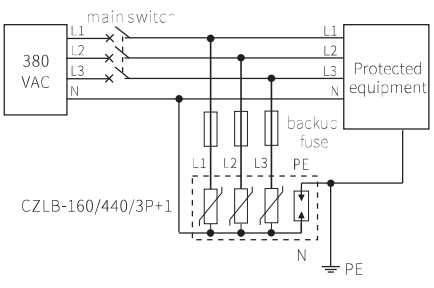
67.0mm×91.0mm×72.0mm

67.0mm×91.0mm×144.0mm

Dimensions



Single phase （TT）



Three-phase four line （TT）

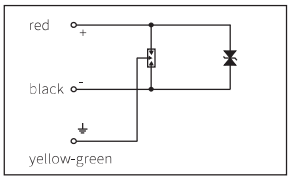
Cautions:
Backup fuses are recommended to be installed in case SPD get short-circuited.
For connecting to L/N.cables with a cross-sectional area ⩾ 4mm² are recommended.
For connecting to PE.cables with a cross-sectional area ⩾ 6mm² are recommended.

Screw mounting SPD

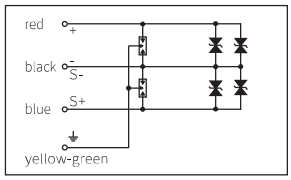
Features

- Intrinsic safety certification;explosion proof electrial product certification
- Available in various of thread specification
- Available in various of housing material

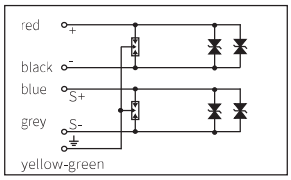
CZLBX-48



CZLBX-48-3

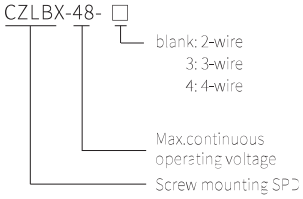


CZLBX-48-4

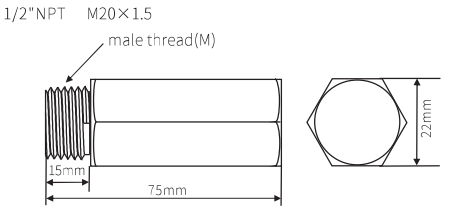


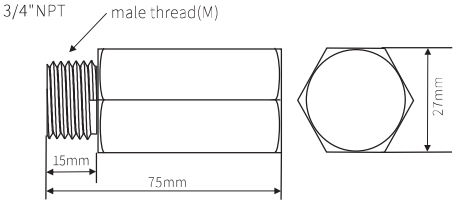
Technical data	2-wire	3-wire	4-wire
Nominal operating voltage U_n	24V DC	24V DC	24V DC
Max. continuous operating voltage U_c	48V DC	48V DC	48V DC
Nominal discharge current I_n(8/20μs)	10kA	10kA	10kA
Impulse current I_{imp}(10/350μs)	2.5kA	2.5kA	2.5kA
Voltage protection level $U_p(I_n)$	L-G:1kV	L-G:1kV	L-G:1kV
Voltage protection level $U_p(I_{imp})$	L-G:680V	L-G:680V	L-G:680V
Voltage protection level U_p(1kV/μs)	L-L:60V;L-G:90V	L-L:60V;L-G:90V	L-L:60V;L-G:90V
Bandwidth(-0.5dB)	10MHz	10MHz	10MHz
Response time	L-L:1ns,L-G:200ns	L-L:1ns,L-G:200ns	L-L:1ns,L-G:200ns
Housing protection grade(IEC60529)	IP 67	IP 67	IP 67
Housing material	304 or 316	304 or 316	304 or 316
Testing standard	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification			
Ex marking	Ex ia II C T6...T4 Ga	Ex ia II C T6...T4 Ga	Ex ia II C T6...T4 Ga
Certificate Number	CSANe 21ATEX2011X	CSANe 21ATEX2011X	CSANe 21ATEX2011X
Entity Parameters	Ui=48V;Ii=500mA; Pi=5.32W; Ci=0nF;Li=0mH	Ui=48V;Ii=500mA; Pi=5.32W; Ci=0nF;Li=0mH	Ui=48V;Ii=500mA; Pi=5.32W; Ci=0nF;Li=0mH
Functional safety certification	SIL3	SIL3	SIL3
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	1/2" NPT(304): 7041233	1/2" NPT(304): 7024477	1/2" NPT(304): 7060125
	3/4" NPT(304): 7030261	3/4" NPT(304): 7079620	3/4" NPT(304): 7031784
	M20×1.5(304): 7019156	M20×1.5(304): 7018599	M20×1.5(304): 7020401
	...	...	...

Naming



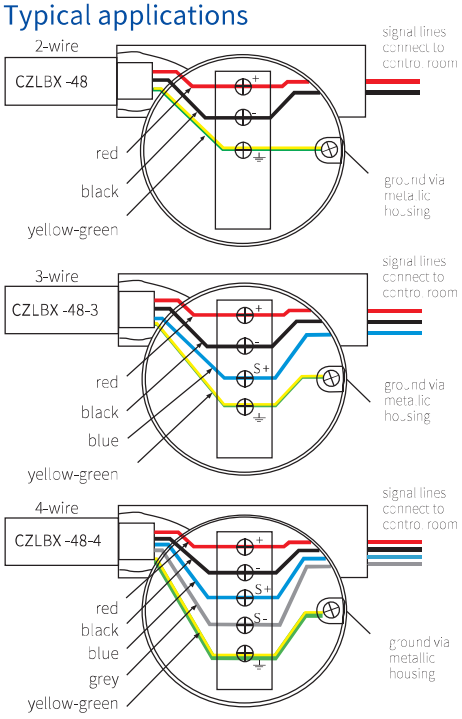
Dimensions





Wire specification: 26/0.254
Signal wire is with 18AWG,1mm²
Ground wire is with 16AWG,1.32mm²
Wire length: 240mm

Typical applications

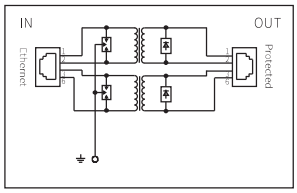


SIL3 IEC61508

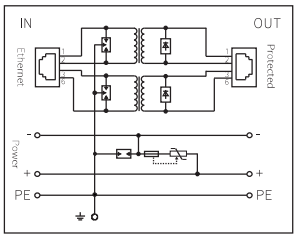
Features

- Fully aluminium alloy housing, good electromagnetic shielding.
- Suitable for various of network cameras.
- Grouned by DIN rail or screw terminals

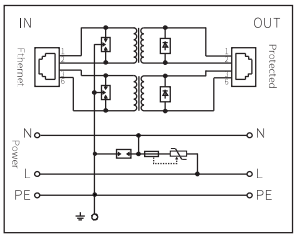
iFL-RJ45
Network



iFL-RJ45-2
Network, 24V power 2 in 1

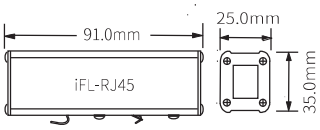


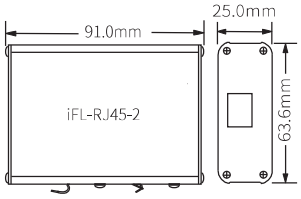
iFL-RJ45-2
Network, 220V power 2 in 1



Technical data	RJ45	24VDC	220VAC
Max. continuous operating voltage U_c	8VDC	58VDC/40VAC	270VAC
Nominal discharge current I	2kA	10kA	3kA
Voltage protection level U_p (L-L/L-G)	100V/300V	850V/1kV	1kV/1.2kV
Bandwidth	100MHz	-	-
Insertion loss（0.1~50MHz）	0.5dB	-	-
Wires protected	1/2,3/6	+/-	L/N
Interface	RJ45	plug-inwiring	plug-inwiring
Housing protection grade(IEC60529)	IP20	IP20	IP20
Housing material(housing/end face)	Aluminium alloy/304 stainless steel	Aluminium alloy/304 stainless steel	Aluminium alloy/304 stainless steel
Testing standard	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification			
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	7079893	7978591	7054623

Dimensions



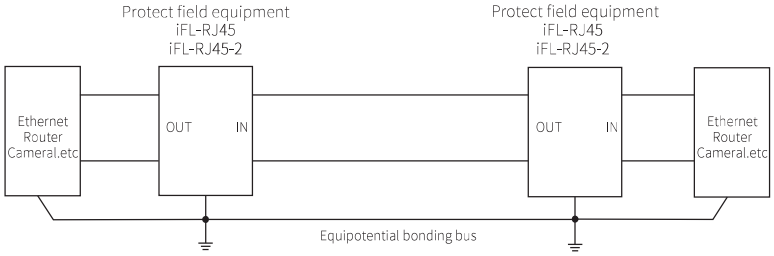


91.0mm×35.0mm×25.0mm

91.0mm×63.6mm×25.0mm

91.0mm×63.6mm×25.0mm

Typical applications

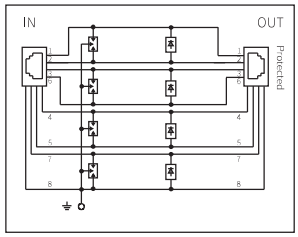


iFL Network SPD

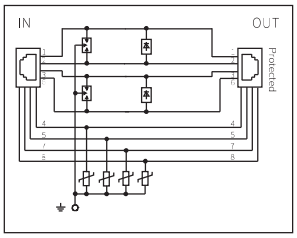
Features

- Fully aluminium alloy housing, good electromagnetic shielding.
- Suitable for various of network cameras.
- Grouned by DIN rail or screw terminals

iFL-RJ45/GigE
GigE

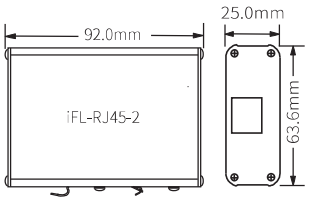


iFL-RJ45/PoE
PoE



Technical data	GigE	PoE power
Max. continuous operating voltage U_c	60VDC	60VDC
Nominal discharge current I_n	2kA	2kA
Voltage protection level U_p (L-L/L-G)	600V/1kV	600V/1kV
Bandwidth	500MHz	-
Insertion loss（0.1~50MHz）	⩽0.5dB	-
Wires protected	1/2,3/6,4/5,7/8	+/-
Interface	RJ45	RJ45
Housing protection grade(IEC60529)	IP20	IP20
Housing material (housing/end face)	Aluminium alloy/304 stainless steel	Aluminium alloy/304 stainless steel
Testing standard	GB/T 18802.21/IEC 61643-21	GB/T 18802.21/IEC 61643-21
Certification		
Type test	Shanghai Lightning Protection Center	Shanghai Lightning Protection Center
Order number	7058560	7069852

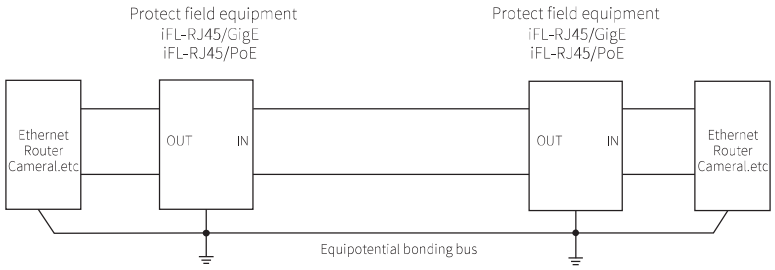
Dimensions



92.0mm×63.6mm×25.0mm

92.0mm×63.6mm×25.0mm

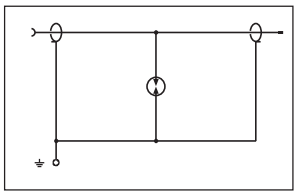
Typical applications



Features

iFL-RF

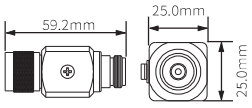
- Fully aluminium alloy housing, good electromagnetic shielding.
- Available in various of thread specification.
- Low insertion loss and standing wave ratio



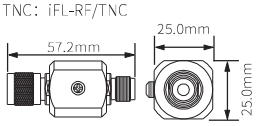
Technical data	
Max. continuous operating voltage U_c	24V
Nominal discharge current I_n(8/20μs)	10kA
Max. discharge current I_{max}(8/20μs)	20kA
Voltage protection level U_p	450V
Frequency range	0~4GHz
Response time	100ns
Interface	SMA、N、F、TNC、BNC
Insertion loss	⩽1.5GHz(0.1dB)/⩽4GHz(2dB)
Characteristic impedance	50Ω(N、TNC、SMA);75Ω(F、BNC)
Housing protection grade(IEC60529)	IP 55
Housing material	aluminium alloy
Testing standard	GB/T 18802.21/IEC 61643-21

Dimensions

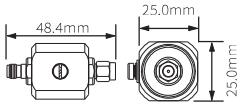
N：iFL-RF/N



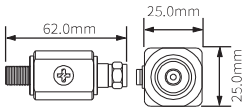
TNC：iFL-RF/TNC



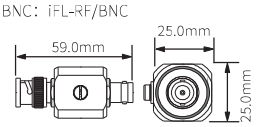
SMA：iFL-RF/SMA



F：iFL-RF/F



BNC：iFL-RF/BNC



N：iFL-RF/N

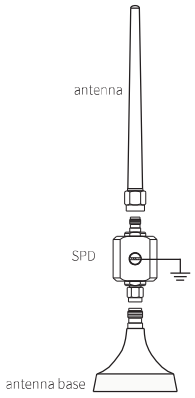
TNC：iFL-RF/TNC

SMA：iFL-RF/SMA

F：iFL-RF/F

BNC：iFL-RF/BNC

Typical applications



【Factory video @Youtube】

CZYB-E09-C.01/2022.03

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