

CERTIFICATE OF COMPLIANCE

Certificate No.: CFS14204

Manufacturer: Shanghai Chenzhu
Instrument CO., LTD.

Address: 6th building, No. 201 MinYi
Road SongJiang district, Shanghai, china

Applicant: Shanghai Chenzhu
Instrument CO., LTD.

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Road SongJiang district, Shanghai, china

Product: SPD

Model: T-5/24-EX-L/L3/L4/G/G4

Description: The T series SPD is used for protecting signal detection & control equipments, such as transmitters, frequency signals, communication equipments, RTD/TC signals etc. from damage of lightning surge voltage or operation voltage, without effect on normal signal transmission. The safety function of T series SPD is to ensure the normal transmission of signals.

Standards: IEC61508:2010 Functional safety of electrical/electronic/ programmable electronic safety-related systems (Part 1,Part 2)

Conclusion: According to IEC 61508, The T series SPD that is classified as a Type A device as a single device, SIL is as follows:

λ	T-5/24-EX-L	T-5/24-EX-L3	T-5/24-EX-L4	T-5/24-EX-G	T-5/24-EX-G4
λ_{SU}	11.26	23.92	23.92	8.07	16.14
λ_{SD}	0	0	0	0	0
λ_{DU}	2.02	4.04	4.04	2.02	4.04
λ_{DD}	19.38	37.36	37.36	13.65	27.30
λ_{TOTAL}	32.66	65.32	65.32	23.74	47.48
SFF	90.56%	90.24%	90.24%	91.49%	91.49%
SIL	SIL3	SIL3	SIL3	SIL3	SIL3

Note: 1. The failure rate unit is Fit, 1Fit=1×10⁻⁹;

2. when SPD used as sensor or logic unit protecting device, short and open circuit would be diagnosed, SFF is valid.

Other explanation: /



Authorized Signatory :

National Quality Supervision and Inspection Center
for Products of Process Automation Instrumentation

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Note:

Test Report Number C14-204-WT is integral parts of this certificate. This Certificate is valid for products compatible with the documents and samples approved by SITIIAS. The documents and sample are kept by SITIIAS.

This Approval shall remain in force until 2019.08.20