

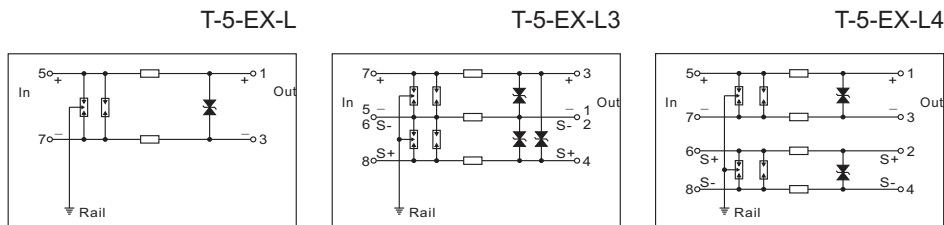
# For 5V IS System

## Features

- 12.5mm ultra-thin
- Hot pluggable
- SPD module can be tested individually
- Easy to maintain
- Suitable for thermocouple, CAN, thermal resistor, RS-485, RS-422, etc. (L-G isolation voltage > 500V)
- Grounded via DIN 35mm rail

## Technical Data

Nominal operating voltage Un
Max. continuous operating voltage Uc
Nominal operating voltage IL
Nominal discharge current In(8/20μs)
Max. discharge current Imax(8/20μs)
Impulse current Iimp(10/350μs)
Total impulse current(10/350μs)
Voltage protection level Up(8/20μs)
Voltage protection level Up(1kV/μs)
Bandwidth(-0.5dB)
Response time
Resistance
Leakage current
Housing protection grade(accord with IEC60529)
Housing material / inflammability grade(UL94)
Testing standard

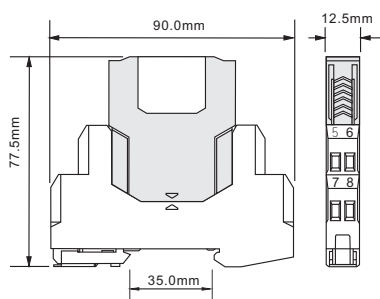


	2-wire	3-wire	4-wire
Nominal operating voltage Un	5V	5V	5V
Max. continuous operating voltage Uc	6V	6V	6V
Nominal operating voltage IL	500mA	500mA	500mA
Nominal discharge current In(8/20μs)	10kA	10kA	10kA
Max. discharge current Imax(8/20μs)	20kA	20kA	20kA
Impulse current Iimp(10/350μs)	2.5kA	2.5kA	2.5kA
Total impulse current(10/350μs)	5kA	7.5kA	10kA
Voltage protection level Up(8/20μs)	(L-L,L-G) 40V / 600V	40V / 600V	40V / 600V
Voltage protection level Up(1kV/μs)	(L-L,L-G) 20V / 600V	20V / 600V	20V / 600V
Bandwidth(-0.5dB)	10MHz	10MHz	10MHz
Response time	1ns	1ns	1ns
Resistance	1Ω	1Ω	1Ω
Leakage current	<3μA	<3μA	<3μA
Housing protection grade(accord with IEC60529)	IP 20	IP 20	IP 20
Housing material / inflammability grade(UL94)	PA66 / V0	PA66 / V0	PA66 / V0
Testing standard			GB/T 18802.21 / IEC 61643-21

## Certification

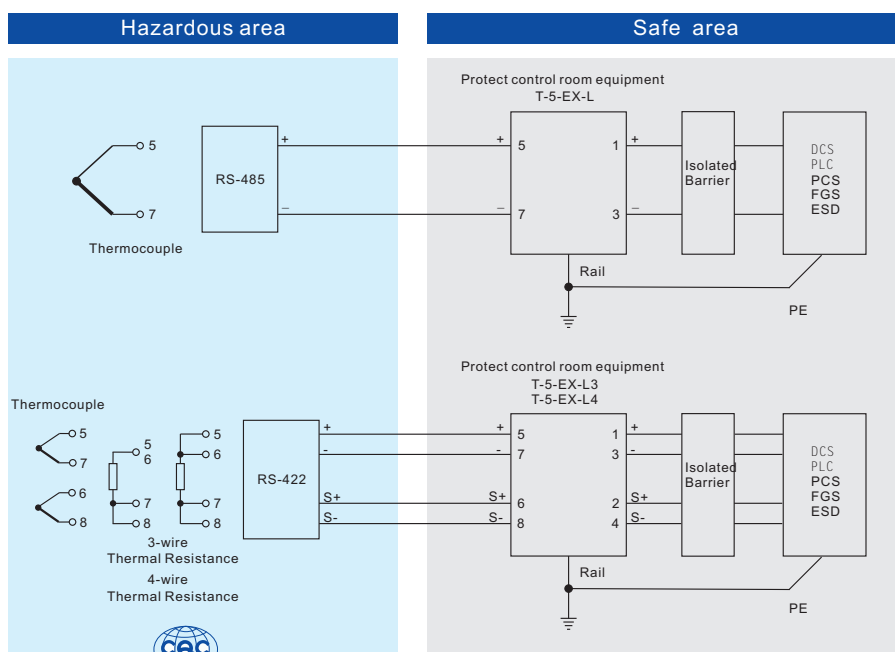
Intrinsic safety certification	Ex ia II C T4~T6 Ga	Ex ia II C T4~T6 Ga	Ex ia II C T4~T6 Ga
Functional safety certification	SIL3	SIL3	SIL3
Lighting protection performance test			Shanghai Lightning Protection Center

## Dimensions



**SIL3**  
IEC61508

## Typical application



Shanghai Lightning Protection Center  
Lightning protection performance test



National explosion-proof electrical products  
Quality supervision and inspection center certification



China Quality Certification Center  
CQC Identification