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C-5T2.M SPD for Signal (5V; 2 wires; In=10kA) 7098835
SPD for 5V signal; Thermocouple; RS-485; CAN; C2: 20kV/10kA/line;
grounding via the rail directly



Voltage: 5V
wire: 2
Nominal discharge current In: 10kA
Connection: Push-in connection

产品参数

Product Features

Features	5V; 10kA; Two Wire
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Protections

Protected Objects/Systems	TC; RS-485; CAN
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Dimensions

Depth	54.5mm
Width	3.5mm
Height	82.0mm

Housing

Colors	Grey
Flame Retardant Grade	V0
Protection Level	IP20
Material	PA66
Brand	Dinkle

Basic Parameter

Response Time	1ns
Resistance per Wire	1.1 Ω
Bandwidth	220kHz (-0.5dB)
Leakage Current	< 10 μ A
Maximun continuous operating voltage Uc	6VDC
Nominal operating voltage Un	5VDC
Nominal Operating Current IL	800mA

Security Data (Lightning Protection)

Voltage Protection Level Up (8/20us)	40V (Line to Line) /600V (Line to Ground)
Impulse Current Iimp (10/350us)	2.5kA
Maximum Discharge Current Imax (8/20us)	20kA
Nominal Discharge Current In (8/20us)	10kA

Safety Characteristic Parameter (SIL)

Safety Integrity Level (SIL)	SIL3
Safe Failure Fraction (SFF)	90.75%
λ_{DD}	1.68E-08
λ_{DU}	1.71E-09
λ_{SD}	0.00E+00
λ_{SU}	5.37E-08

Product Approvals

Certification	Lightning Protection Certification;Functional Safety Certification;CE Certification
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Certification

Lightning Protection Certification	Shanghai Lightning Protection Products Test Center
Functional Safety	SIL3

Standards

Names	GB/T 18802.21 ; IEC 61643-21
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Ambient Requirements

Maximum Altitude	2000m
Applicable Location	Cabinet、Explosion-Proof Tank
Permissible Humidity (Operation)	10%—90%
Ambient Temperature (Storage)	-40—85°C
Ambient Temperature (Operation)	-40—70°C

Connection Parameters

Connection Method	Terminal Connection
Stripping Length	8mm
Conductor Cross Section Flexible	0.2—1.5mm ²

Conductor Cross Section Solid	0.2—1.5mm ²
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Mounting

Mounting Method	35mm Lead Rail
Interface	Push-in
Mounting Position	Cabinet

上海辰竹仪表有限公司

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