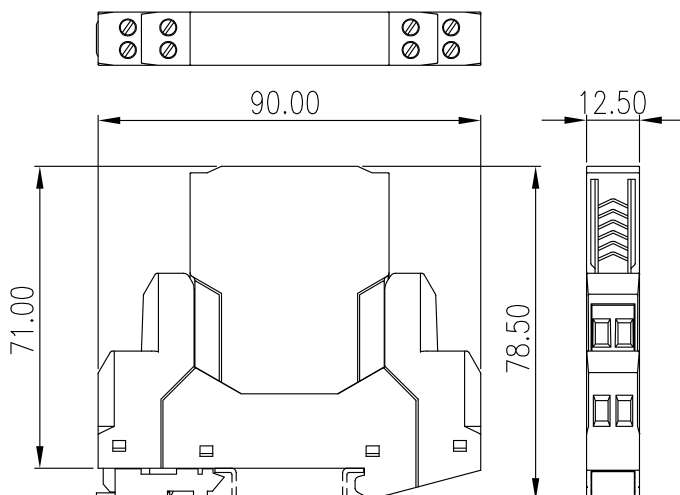


RES-05L3-EX

RES-EX Series Intrinsic Safety



Specification

Technical parameters	3-wire connection
Rated operating voltage Un	5V
Maximum operating voltage Uc	6V
Rated operating current IL	500mA
Nominal discharge current In (8/20μs)	10kA
Total nominal discharge current (8 / 20μs)	20kA
Impulse current limp (10 / 350μs)	2.5kA
Total impulse current (10/350μs)	7.5kA
Voltage protection level Up (8 / 20μs) wire-to-wire / wire-to-ground	40V / 600V
Voltage protection level Up (1kV/ 20μs) wire-to-wire / wire-to-ground	20V / 600V
Bandwidth (-0.5dB)	10MHz
Response time	1 ns
Resistance (per wire)	1Ω
Leakage current	< 3μA
Enclosure protection (compliance with IEC 60529)	IP 20
Housing Material / Flammability rating (UL94)	PA66 / V0
Testing standard	GB/T 18802.21 / IEC 61643-21

Product certification

Explosion-proof certification	Ex ia IIC T4~T6 Ga
Functional Safety Certification	SIL3
Lightning Performance Test	Shanghai Lightning Protection Center