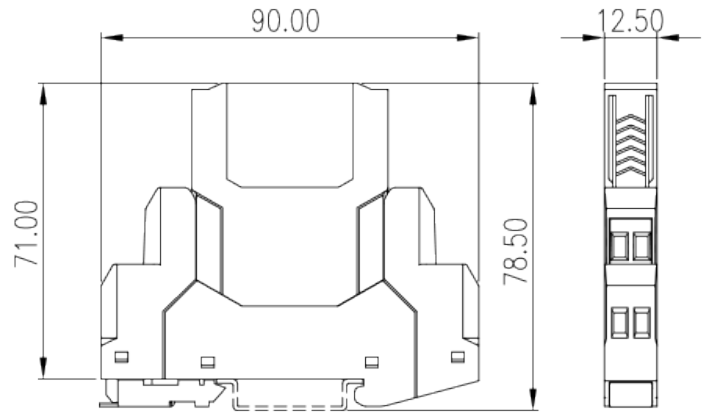


RES-05G

RES-EX Series Intrinsic Safety



Specification

Technical parameters	2-wire connection
Rated operating voltage U_n	5V
Maximum operating voltage U_c	6V
Rated operating current I_L	800mA
Nominal discharge current I_n (8/20 μ s)	10kA
Total nominal discharge current (8 / 20 μ s)	20kA
Impulse current I_{imp} (10 / 350 μ s)	2.5kA
Total impulse current (10/350 μ s)	5kA
Voltage protection level U_p (8 / 20 μ s) wire-to-wire / wire-to-ground	40V / 40V
Voltage protection level U_p (1kV/ 20 μ s) wire-to-wire / wire-to-ground	20V / 20V
Bandwidth (-0.5dB)	10MHz
Response time	1 ns
Resistance (per wire)	1 Ω
Leakage current	< 3 μ A
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