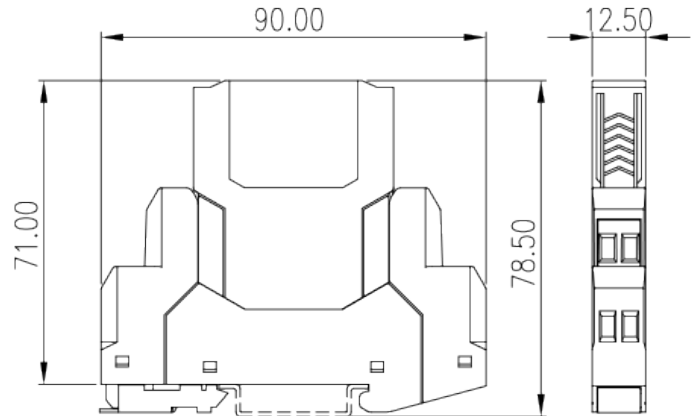


# RES-05G-EX

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 $I_L$	500mA
Nominal discharge current $I_n$ ( 8/20 $\mu$ s )	10kA
Total nominal discharge current ( 8 / 20 $\mu$ s)	20kA
Impulse current $I_{imp}$ (10 / 350 $\mu$ s)	2.5kA
Total impulse current ( 10/350 $\mu$ s )	5kA
Voltage protection level $U_p$ ( 8 / 20 $\mu$ s) wire-to-wire / wire-to-ground	40V / 40V
Voltage protection level $U_p$ (1kV/ 20 $\mu$ s) wire-to-wire / wire-to-ground	20V / 20V
Bandwidth (-0.5dB)	10MHz
Response time	1 ns
Resistance (per wire)	1 $\Omega$
Leakage current	< 3 $\mu$ 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