



# SPD系列

Surge Protective Device



## QR-SPD01-i

### 产品规格参数

产品型号 Product model	QR-SPD01-i					
绝缘等级 Insulation Class	应用领域 Application field					
一类灯具 Class I	TN	TNC	TNS	TNCS	TT	IT
	✓	✓	✓	✓	✓	
二类灯具 Class II	✓	✓	✓	✓	✓	

### 电性能参数

### Electrical specifications

参数规格 Specifications	参数代号 Parameter	参数值 Value	单位 Unit	测试环境 Condition
认证机构 / Certifications				CQC/GB18802.1-2011;CQC16123152794
冲击类别 / Classification		Class III		Acc. IEC61643-11
保护模式 / Protection mode		Diff. mode & Comm. mode		
最大持续工作电压 (L-N) Max. continuous operating voltage	Uc (L-N)	240	VAC	50 ... 60 Hz
最大持续工作电压 (L-GND) Max. continuous operating voltage	Uc (L-GND)	240	VAC	50 ... 60 Hz
最大持续工作电压 (N-GND) Max. continuous operating voltage	Uc (N-GND)	240	VAC	50 ... 60 Hz
暂时过电压 Temporary overvoltage TOV	UT	1455	V	HV system fault: 1200 V+255, at tt = 200 ms, TT (L-PE)
暂时过电压 Temporary overvoltage TOV	UT	337	V	LV system fault: 255 V x 1.32 at tt = 120 m, TT, TN
暂时过电压 Temporary overvoltage TOV	UT	442	V	LV system fault: 255V x $\sqrt{3}$ at tt = 5 s, TT, TN
电网类型 / Power grids		TN, TT,		Incl. all TN varieties TN-C, TN-C-S, TN-S
标称放电电流 (L-N) Nominal discharge current	In (L-N)	5	kA	@ Uoc=10KV; internal resistance=2 $\Omega$
标称放电电流 (L-GND) Nominal discharge current	In (L-GND)	5	kA	@ Uoc=10KV; internal resistance=2 $\Omega$
标称放电电流 (N-GND) Nominal discharge current	In (N-GND)	5	kA	@ Uoc=10KV; internal resistance=2 $\Omega$
最大电压保护水平 (L-N) Max. voltage protection level at In	Up (L-N)	1,1	kV	@ Uoc=10KV; internal resistance=2 $\Omega$
最大电压保护水平 (L-GND) Max. voltage protection level at In	Up (L-GND)	4	kV	@ Uoc=10KV; internal resistance=2 $\Omega$
最大电压保护水平 (N-GND) Max. voltage protection level at In	Up (N-GND)	4	kV	@ Uoc=10KV; internal resistance=2 $\Omega$
开路电压 / Open-circuit voltage	Uoc	10	kV	
后备保险丝 / Backup fuse		N/A	A	max., gG fuse
失效指示 / End of life indication		No (yes)		指示灯亮: 正常工作 / Optical, light ON: SPD is functional. 指示灯灭: 产品失效 / Light OFF: SPD has reached end-of-life
最大对地漏电电流 Max earth leakage current at Uc		50	$\mu$ A	Max. rms, to GND

