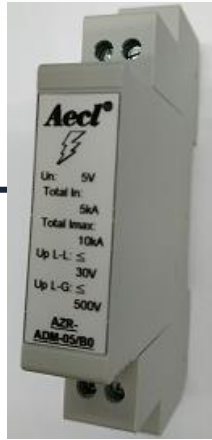




Maxlong Surge protection Device

Feature



- 1.Data network protector in according with IEC61643-:21
- 2.Pluggable surge protection for DIN mounting
- 3.Module have the function of protection and automatic passage of the pull
- 4.Signal transmission is not interrupted when exchanging module
- 5.Limit the transients with gas discharge tubes and diodes
- 6.Two-stage protection circuit
- 7.RS422/RS485/RS232/0~20mA,4~20mA/0~1V,0~5V,0~10V,0~12V
2-wires surge protection
- 8.Suitable to use for RS422/RS485/RS232/0~20mA,4~20mA/0~1V,0~5V,0~10V,0~12V pulse protection

In accordance with		IEC 61643-21:2005			
Nominal voltage (Vdc)	Un	5	12	24	48
Max. continuous operating voltage (Vdc/ac)	Uc	6/5	15/12	28/24	60/48
C2 Nominal discharge current(8/20)	In	5kA			
C2 Total nominal Discharge Current (8/20μs)		10kA			
Voltage protection level (V)	L-L@C2 (8/20μs)	<30	<45	<55	<190
	L-G@C2 (8/20μs)	<500	<500	<500	<500
	L-L@C3 (1KV/μs)	<24	<38	<48	<145
	L-G@C3 (1KV/μs)	<600	<600	<600	<600
Nominal Current (A)	IL	0.5A			
Transmission Speed (bps)		2Mbps			
Insertion loss ; between input / output		≤0.5 dB) ; < 0.1%			
Series impedance per line (Ohm)		2.2 Ohm			
Protection line		One pair			
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3			
Type of Connection IN/OUT		screw/screw			
Material		ABS			
Dimensions (mm)		89 X 13 X 59			
Operating temperature range		- 40°C ~ + 80°C			

Specification

		SG2218	SLG2218	SG221C	SLG221C
Main Chip					
Soc	1G Sitara ARM Cortex-A8,	V	V	V	V
Memory	DDR3 512M Bytes	V	V	V	V
	NAND Flash 256M Bytes	V	V	V	V
Operating System	GNU Linux	V	V	V	V
LoRa					
Frequency	862~932MHz		V		V
Frequency Accuracy	± 10KHz		V		V
Modulation	LoRa		V		V
Transmit Power	2~+20dBm		V		V
Data Rate	0.244~18.2Kbps(LoRa)		V		V
High Sensitivity	down to -137dBm		V		V
Communication Distance	2Km		V		V
Antenna Impedance	50ohm		V		V
		SG2218	SLG2218	SG221C	SLG221C
Serial Port					
RS232/RS485	2 port RS232/RS485 with TB	V	V	V	V
	Full Duplex of RS232 Baud Rate up to 115K bps	V	V	V	V
	Half Duplex of RS485 Baud Rate to 115K bps	V	V	V	V
USB	1 port USB 2.0 Host	V	V	V	V
Network					
Giga Ethernet	1*10/100/1000 Base-TX LAN port 1XLanPort	V	V	V	V
	10/100/100 Base-TX WAN port 1XWanPort	V	V	V	V
Protocol	TCP, UDP, HTTP, SNTP, DHCP, FTP, PPP, IPv4	V	V	V	V
Storage					
	Support 32G SD	V	V	V	V
DI/DO					
	125 Vac @0.5A, 24 Vdc @1A	V	V	V	V
Output	8*Relay Dry Contacts, Terminal Block	V	V		
	12*Relay Dry Contacts, Terminal Block			V	V
Input Input	8*Dry Contacts, Terminal Block	V	V		
	12*Dry Contacts, Terminal Block			V	V
Configurations and Management					
WEB	Support HTML web control interface	V	V	V	V
CGI	Support CGI control interface	V	V	V	V
Firmware	Support system firmware upgrade	V	V	V	V
Power Source					
Supply Voltage	+9~24 VDC, Terminal Block	V	V	V	V
Power Consumption	6-15W	V	V	V	V
Environment					
Operating Temperature	-10°C~70°C	V	V	V	V
Mechanism					
Dimensions	W*H*D: 189*141*44 (mm)	V	V	V	V
Weight	730-850g	V	V	V	V
Option					
3G	HSPA data rate (Mbps)=3.6(DL) UMTS data rate (Kbps)=384(DL)/384(UL) LTE-FDD Max 10M (DL)/ Max 5M (UL)	Option	Option	Option	Option
4G	HSPA data rate (Mbps)=14.4(DL)/5.76(UL) UMTS data rate (Kbps)=384(DL)/384(UL) LTD-FDD Max 150Mbps (DL) Max 50Mbps (UL) LTE-TDD Max 130Mbps (DL) Max35Mbps (UL)	Option	Option	Option	Option
POE		Option	Option	Option	Option