

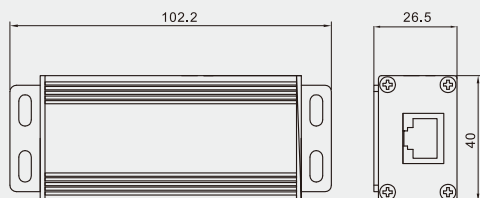
SPD for POE BR-POE



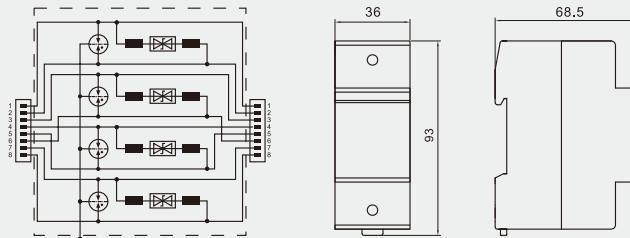
BR-POE-M



BR-POE-P



BR-POE-M



BR-POE-P

		BR-POE-M	BR-POE-P
Test standards		IEC 61643-21	IEC 61643-21
SPD class		TYPE2 P1	TYPE2 P1
Nominal voltage	Un	48V	48V
Max. continuous operating d.c. voltage	Uc	48V	48V
Max. continuous operating a.c. voltage	Uc	34V	34V
Max. continuous operating d.c. voltage pair-pair(PoE)	Uc	57A	57A
Nominal current	IL	1A	1A
D1 Lightning impulse current (10/350 μs) per line	Iimp	0.5kA	0.5kA
C2 Nominal discharge current (8/20μs) line-line	In	150A	150A
C2 Nominal discharge current (8/20μs) line-PG	In	3kA	3kA
C2 Total nominal discharge current (8/20μs) line-PG	In	10kA	10kA
C2 Nominal discharge current (8/20μs) pair-pair(PoE)	In	150A	150A
Voltage protection level pair-pair for In C2	Up	≤180V	≤180V
Voltage protection level line-PG for In C2	Up	≤500V	≤500V
Voltage protection level line-line for In C2(PoE)	Up	≤600V	≤600V
Response time	tA	≤1ns	≤1ns
Insertion loss at 250 MHz		≤3 dB	≤3 dB
Capacitance line-line	C	≤30 pF	≤30 pF
capacitance line-PG	C	≤25 pF	≤25 pF
Operating temperature range	Tu	-40°C...+80°C	-40°C...+80°C
For mounting on		35mm DIN rails acc. to EN 60715	35mm DIN rails acc. to EN 60715
Connection (input/output)		RJ45 socket/RJ45 socket	RJ45 socket/RJ45 socket
Pinning		1/2, 3/6, 4/5, 7/8	1/2, 3/6, 4/5, 7/8
Earthing via		35mm DIN rails acc. to EN 60715	35mm DIN rails acc. to EN 60715
Enclosure material		aluminium alloy	polyamide PA 6.6
Degree of protection (plugged-in)		IP 10	IP 10
Order Code		D9160	D9161
Transmission rate		1000M	1000M

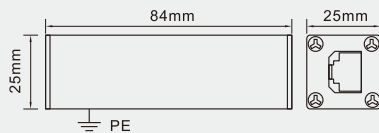
SPDs for RJ BR-RJ45



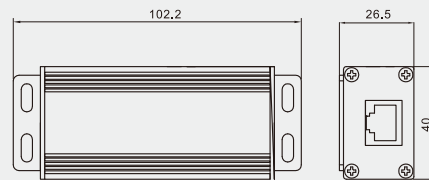
BRRJ45L-4L



BRRJ45H-8L



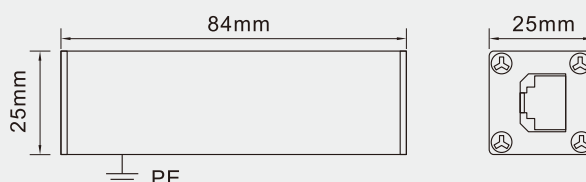
BRRJ45L-4L



BRRJ45H-8L

		BRRJ45L-4L	BRRJ45H-8L
Test standards		IEC 61643-21	IEC 61643-21
Nominal voltage	Un	5V	5V
Max. continuous operating d.c. voltage	Uc	6V	6V
Max. continuous operating a.c. voltage	Uc	4V	4V
Nominal current	IL	0.5A	0.5A
D1 Lightning impulse current (10/350 μs) per line	Iimp	0.5 kA	0.5 kA
C2 Nominal discharge current(8/20μs) per line	In	1.5kA	1.5kA
Voltage protection level [line–line] @200A	Up	≤30V	≤30V
Voltage protection level [line–PG] @1.5kA	Up	≤500V	≤500V
Voltage protection level line-line at 1 kV/μs C3	Up	≤180V	≤180V
Voltage protection level line-PG at 1 kV/μs C3	Up	≤500V	≤500V
Response time [line–line]	tA	≤1ns	≤1ns
Response time [line–PG]	tA	≤100ns	≤100ns
Operating temperature range	TU	–40°C...+80°C	–40°C...+80°C
Connection input/output		RJ45 socket 4 line	RJ45 socket 8 line
Bandwidth		30 Mbps	300 Mbps
Insertion Loss		≤0.3dB	≤0.3dB
Enclosure material		aluminium alloy	aluminium alloy
Degree of protection		IP20	IP20
Order Code		D9030	D9031
Transmission rate		100M	1000M

SPDs for RJ BR-RJ11



		BRRJ11L-2L	BRRJ11H-4L
Test standards		IEC 61643-21	IEC 61643-21
Nominal voltage	Un	110V	110V
Max. continuous operating d.c. voltage	Uc	170V	170V
Max. continuous operating a.c. voltage	Uc	120V	120V
Nominal current	IL	0.5A	0.5A
C2 Nominal discharge current(8/20μs) per line	In	5kA	5kA
Voltage protection level [line–line]	Up	≤250V	≤250V
Voltage protection level [line–PG]	Up	≤600V	≤600V
Response time [line–line]	tA	≤1ns	≤1ns
Response time [line–PG]	tA	≤100ns	≤100ns
Operating temperature range	TU	–40℃...+80℃	–40℃...+80℃
Connection input/output		RJ11 socket 2 line	RJ11 socket 4 line
Bandwidth		10 Mbps	30 Mbps
Insertion Loss		≤0.3dB	≤0.3dB
Enclosure material		aluminium alloy	aluminium alloy
Degree of protection		IP20	IP20
Order Code		D9033	D9034

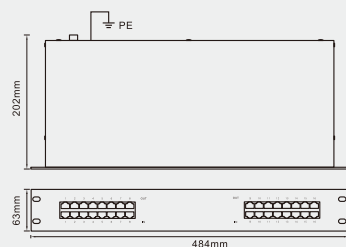
SPDs for RJ



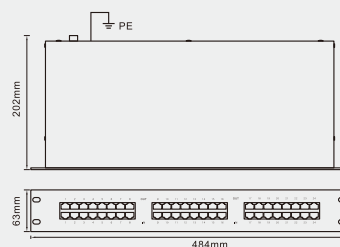
BRRJ45L-16R



BRRJ45L-24R



BRRJ45L-16R



BRRJ45L-24R

		BRRJ45L-16R	BRRJ45L-24R
Test standards		IEC 61643-21	IEC 61643-21
Nominal voltage	Un	5V	5V
Max. continuous operating d.c. voltage	Uc	6V	6V
Max. continuous operating a.c. voltage	Uc	4V	4V
Nominal current	IL	0.5A	0.5A
C2 Nominal discharge current(8/20μs) per line	In	5kA	5kA
Voltage protection level [line–line]	Up	≤30V	≤30V
Voltage protection level [line–PG]	Up	≤500V	≤500V
Response time [line–line]	tA	≤1ns	≤1ns
Response time [line–PG]	tA	≤100ns	≤100ns
Operating temperature range	TU	–40°C...+80°C	–40°C...+80°C
Connection input/output		RJ45 16 sockets	RJ45 24 sockets
Bandwidth		30 Mbps	30 Mbps
Insertion Loss		≤0.3dB	≤0.3dB
Enclosure material		aluminium alloy	aluminium alloy
Degree of protection		IP20	IP20
Transmission rate		100M	100M

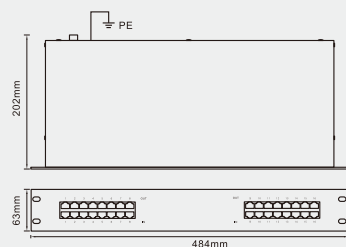
SPDs for RJ



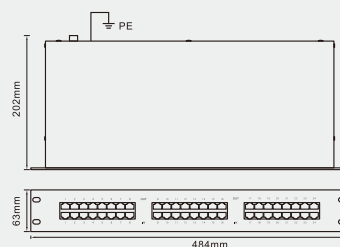
BRRJ45H-16R



BRRJ45H-24R



BRRJ45H-16R



BRRJ45H-24R

		BRRJ45H-16R	BRRJ45H-24R
Test standards		IEC 61643-21	IEC 61643-21
Nominal voltage	Un	5V	5V
Max. continuous operating d.c. voltage	Uc	6V	6V
Max. continuous operating a.c. voltage	Uc	4V	4V
Nominal current	IL	0.5A	0.5A
C2 Nominal discharge current(8/20μs) per line	In	5kA	5kA
Voltage protection level [line–line]	Up	≤30V	≤30V
Voltage protection level [line–PG]	Up	≤500V	≤500V
Response time [line–line]	tA	≤1ns	≤1ns
Response time [line–PG]	tA	≤100ns	≤100ns
Operating temperature range	TU	–40°C...+80°C	–40°C...+80°C
Connection input/output		RJ45 16 sockets	RJ45 24 sockets
Bandwidth		300 Mbps	300 Mbps
Insertion Loss		≤0.3dB	≤0.3dB
Enclosure material		aluminium alloy	aluminium alloy
Degree of protection		IP20	IP20
Transmission rate		1000M	1000M