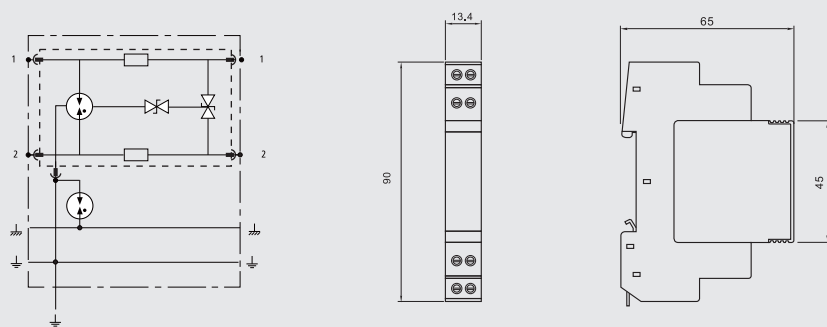


TYPN

SPD for Data Protection



		TYPN-6	TYPN-12	TYPN-24	TYPN-48	TYPN-170
Test standards		IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21
Application		Rs422, Rs485*	Rs232, Rs485	4-20mA	ISDN-T0, 48V line	Telephone line, ADSL2, SDSL
Structure		1-pair + shielded	1-pair + shielded	1-pair + shielded	1-pair + shielded	1-pair + shielded
Nominal voltage	Un	6V	12V	24V	48V	150V
Max. continuous operating voltage	Uc	8V	15V	28V	53V	170V
Nominal current	IL	300mA	300mA	300mA	300mA	300mA
C2 Nominal discharge current(8/20μs)	In	5kA	5kA	5kA	5kA	5kA
C2 Max. discharge current (8/20μs)	I _{max}	20kA	20kA	20kA	20kA	20kA
Voltage protection level [line-line]	Up	≤ 20V	≤ 30V	≤ 40V	≤ 70V	≤ 220V
Voltage protection level [line-PG]	Up	≤ 600V	≤ 600V	≤ 600V	≤ 600V	≤ 600V
Max. frequency	f max	>3 Mhz	>3 Mhz	>3 Mhz	>3 Mhz	>10 Mhz
Failsafe behavior		Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit
Operating temperature range	TU	-40℃...+80℃	-40℃...+80℃	-40℃...+80℃	-40℃...+80℃	-40℃...+80℃
Connection		Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Insertion Loss		≤1dB	≤1dB	≤1dB	≤1dB	≤1dB
For mounting on		35mm Din rail	35mm Din rail	35mm Din rail	35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0				
Degree of protection		IP20	IP20	IP20	IP20	IP20