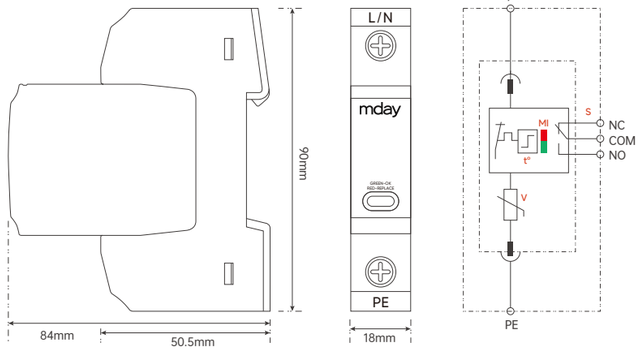
TYPE1+2 AC MYH12.5/M1

1+0





V	48R High Energy MOV
t°	Thermal Disconnection Device
S	Remote Signal
MI	Normal/Fault display

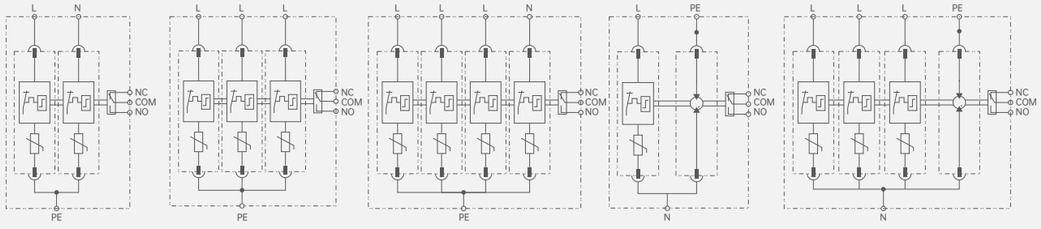
- Type1+2 AC Surge Protection Device
- Impulse discharge current [limp]:12.5kA
- Varistor voltage limiting technology, low residual voltage design
- Pluggable design and internal thermal disconnection devices
- Operating /fault indication,optional remote signal
- Conform to IEC 61643-11,EN 61643-11,GB/T 18802.11

MY	H	12.5	–	XXX	–	S
	1	2		3		4

1 T1+T2 2 limp:12.5kA 3 Maximum Continuous Operating Voltage
4 Remote Signal(Optional)

2+0 3+0 4+0 1+1 3+1





TECHNOLOGY PARAMETER

MDAY MODEL		MYH12.5-275	MYH12.5-320	MYH12.5-385	MYH12.5-440
Product Mode [1+0, 2+0, 3+0, 4+0]		**L/N→PE**			
Rate Operating Voltage	[U_n]	230Vac	230Vac	230Vac	230Vac
Maximum Continuous Operating Voltage [L/N-PE]	[U_c]	275Vac	320Vac	385Vac	440Vac
Nominal Discharge Current [8/20μs] [L/N-PE]	[I_n]	30kA	30kA	30kA	30kA
Maximum Discharge Current [8/20μs] [L/N-PE]	[I_{max}]	60kA	60kA	60kA	60kA
Impulse Discharge Current [10/350μs] [L/N-PE]	[I_{imp}]	12.5kA	12.5kA	12.5kA	12.5kA
Total Discharge Current [10/350μs] [L/N-PE]	[I_{total}]	25kA(2+0); 37.5kA(3+0); 50kA(4+0)			
Voltage Protection Level	[U_p]	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV
TOV-5s		335Vac	335Vac	335Vac	580Vac
TOV-120min		440Vac	440Vac	440Vac	770Vac
Specific Energyh for T1	[W/R]	39kJ/Ω			
Short-circuit Current Rating	[I_{SCCR}]	50kA			
Response Time	[t_A]	≤25ns			
Max. Backup Fuse		160A gG Fuse			
Product Mode [1+1, 3+1]		**L→PE/N→PE**			
Rate Operating Voltage	[U_n]	230Vac	230Vac	230Vac	230Vac
Maximum Continuous Operating Voltage [L-N]	[U_c]	275Vac	320Vac	385Vac	440Vac
Maximum Continuous Operating Voltage [N-PE]	[U_c]	255Vac	255Vac	255Vac	255Vac
Nominal Discharge Current [8/20μs] [L-N/N-PE]	[I_n]	30kA/40kA	30kA/40kA	30kA/40kA	30kA/40kA
Maximum Discharge Current [8/20μs] [L-N/N-PE]	[I_{max}]	60kA/80kA	60kA/80kA	60kA/80kA	60kA/80kA
Impulse Discharge Current [10/350μs] [L-N/N-PE]	[I_{imp}]	12.5kA	12.5kA	12.5kA	12.5kA
Total Discharge Current [10/350μs]	[I_{total}]	12.5kA(1+1); 12.5kA(3+1)			
Voltage Protection Level [L-N]	[U_p]	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV
Voltage Protection Level [N-PE]	[U_p]	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV
TOV -5s	[U_T]	335Vac	335Vac	335Vac	580Vac
TOV- 120min.	[U_T]	440Vac	440Vac	440Vac	770Vac
TOV withstand [N-PE]	[U_T]	1200V/200ms			
Specific Energyh for T1 [L-N/N-PE]	[W/R]	39kJ/Ω			
Short-circuit Current Rating	[I_{SCCR}]	50kA			
Follow Current Interrupt Rating [N-PE]	[I_fi]	100 Arms			
Response Time	[t_A]	≤25n/≤100ns			
Max. Backup Fuse		160A gG			

MECHANICAL DATA

Certificates	TUV,CB,CE
Normal/Fault Display	Green/Red
Cross-sectional area [min.]	6 mm2 solid / fine-stranded
Cross-sectional area [max.]	35 mm2 stranded / 25 mm2 fine-stranded
Remote Signal	Optional
Maximum Remote Signal Load Voltage/current	250V/0.5A[AC]; 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A[DC]
Maximum Cross-sectional Area Of Remote Signal Connection Line [Tu]	1.5mm²
Installation	35mm din rail acc. to EN 60715
Operating Temperature Range	-40~+85°
Relative Humidity	5%~95%
Protection Level	Indoor, IP20
Enclosure Material	Thermoplastic materials,conform to UL94-V0