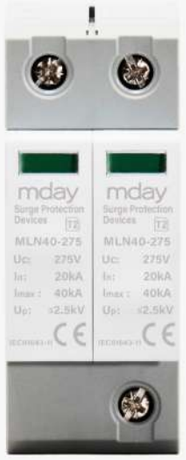
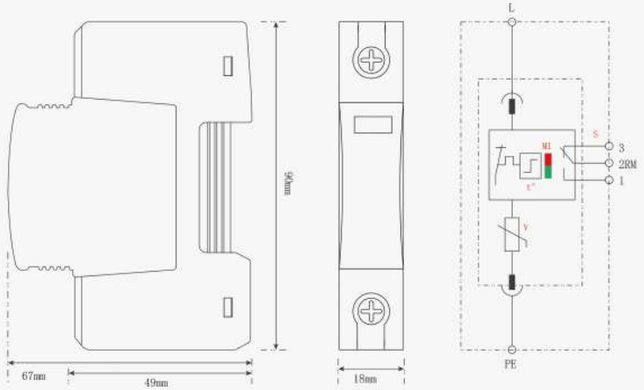
TYPE2 AC MLN40

Imax 40kA

2+0





V	34S Normal MOV
t°	Thermal Disconnection Device
S	Remote Signal
MI	Normal/Fault display

- Type2 AC surge protection device
- Nominal/maximum discharge Current [In/Imax] :20ka/40ka
- 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

ML	N	40	—	XXX	—	S
	1	2		3		4

1 T2 2 Imax:40kA 3 Maximum Continuous Operating Voltage
4 Remote Signal(Optional)

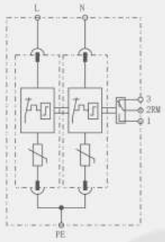
TECHNOLOGY PARAMETER

MODEL		MLN40-275	MLN40-320	MLN40-385	MLN40-440
Product Description		Type2 Surge Protection Device			
AC Operating Voltage	[Un]	230Vac	230Vac	230Vac	230Vac
Maximum Continuous Operating Voltage	[Uc]	275Vac	320Vac	385Vac	440Vac
Temporary Overvoltage Test Value TOV-5s[Tolerance]	[Ut]	335Vac	335Vac	500Vac	580Vac
Temporary Overvoltage Test Value TOV-120min[Disconnection]	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current[8/20μs]	[In]	20kA	20kA	20kA	20kA
Maximum Discharge Current[8/20μs]	[Imax]	40kA	40kA	40kA	40kA
Voltage Protection Level	[Up]	≤2.5kV	≤2.6kV	≤2.8kV	≤3.0kV
Short-circuit Current Rating	[Isccr]	25kA			
Response Time	[tA]	≤25ns			
Thermal Disconnection Device		Insertion			
Max. Backup Fuse		63A gL/gG Fuse			

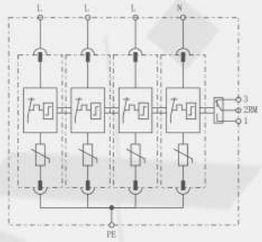
MECHANICAL DATA

Product Size		As photo
Wiring Method		Screw terminal 2.5-25mm² [busbar wiring method can be used]
Normal/Fault Display		Green/Red
Remote Signal		Optional
Maximum Remote Signal Load Voltage/current		250V/0.5A[AC],30V/3A[DC]
Maximum Cross-sectional Area Of Remote Signal Connection Line		1.5mm²
Installation		35mm din rail
Operating Temperature Range	[Tu]	-40~+85°
Protection Level		IP20
Enclosure Material		Thermoplastic materials,conform to UL94-V0

2+0



4+0

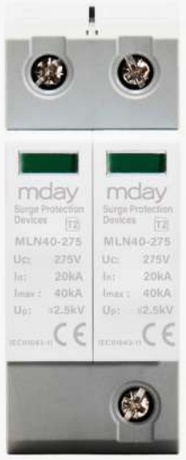


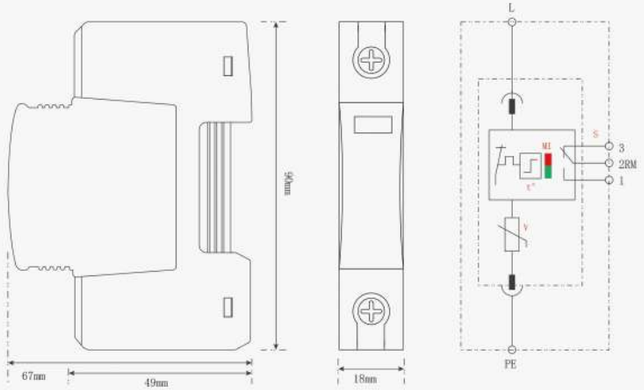
MODEL	PRODUCT CODE	PROTECTION MODE	In	Imax TOTAL	VOLTAGE PROTECTION LEVEL [UP]		
					L→PE	L→N	N→PE
MLN40-275/1+0	9070DD2040001	L/N→PE	20kA	40kA	≤2.5kV	/	≤2.5kV
MLN40-275/2+0	9070DD2040002	L,N→PE	20kA	80kA	≤2.5kV	/	≤2.5kV
MLN40-275/3+0	9070DD2040003	L→PE	20kA	120kA	≤2.5kV	/	/
MLN40-275/4+0	9070DD2040004	L,N→PE	20kA	160kA	≤2.5kV	/	≤2.5kV
MLN40-275/1+1	9070DD2040005	L→N,N→PE	20kA	40kA	/	≤2.5kV	≤2.5kV
MLN40-275/3+1	9070DD2040006	L→N,N→PE	20kA	40kA	/	≤2.5kV	≤2.5kV
MLN40-320/1+0	9070DD2030013	L/N→PE	20kA	40kA	≤2.6kV	/	≤2.5kV
MLN40-320/2+0	9070DD2030014	L,N→PE	20kA	80kA	≤2.6kV	/	≤2.5kV
MLN40-320/3+0	9070DD2030015	L→PE	20kA	120kA	≤2.6kV	/	/
MLN40-320/4+0	9070DD2030016	L,N→PE	20kA	160kA	≤2.6kV	/	≤2.5kV
MLN40-320/1+1	9070DD2030017	L→N,N→PE	20kA	40kA	/	≤2.6kV	≤2.5kV
MLN40-320/3+1	9070DD2030018	L→N,N→PE	20kA	40kA	/	≤2.6kV	≤2.5kV
MLN40-385/1+0	9070DD2040007	L/N→PE	20kA	40kA	≤2.8kV	/	≤2.5kV
MLN40-385/2+0	9070DD2040008	L,N→PE	20kA	80kA	≤2.8kV	/	≤2.5kV
MLN40-385/3+0	9070DD2040009	L→PE	20kA	120kA	≤2.8kV	/	/
MLN40-385/4+0	9070DD2040010	L,N→PE	20kA	160kA	≤2.8kV	/	≤2.5kV
MLN40-385/1+1	9070DD2040011	L→N,N→PE	20kA	40kA	/	≤2.8kV	≤2.5kV
MLN40-385/3+1	9070DD2040012	L→N,N→PE	20kA	40kA	/	≤2.8kV	≤2.5kV
MLN40-440/1+0	9070DD2030019	L/N→PE	20kA	40kA	≤3.0kV	/	≤2.5kV
MLN40-440/2+0	9070DD2030020	L,N→PE	20kA	80kA	≤3.0kV	/	≤2.5kV
MLN40-440/3+0	9070DD2030021	L→PE	20kA	120kA	≤3.0kV	/	/
MLN40-440/4+0	9070DD2030022	L,N→PE	20kA	160kA	≤3.0kV	/	≤2.5kV
MLN40-440/1+1	9070DD2030023	L→N,N→PE	20kA	40kA	/	≤3.0kV	≤2.5kV
MLN40-440/3+1	9070DD2030024	L→N,N→PE	20kA	40kA	/	≤3.0kV	≤2.5kV

TYPE2 AC MLN40

Imax 40kA

2+0





V	34S Normal MOV
t°	Thermal Disconnection Device
S	Remote Signal
MI	Normal/Fault display

- Type2 AC surge protection device
- Nominal/maximum discharge Current [In/Imax] :20ka/40ka
- 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

ML	N	40	—	XXX	—	S
	1	2		3		4

1 T2 2 Imax:40kA 3 Maximum Continuous Operating Voltage
4 Remote Signal(Optional)

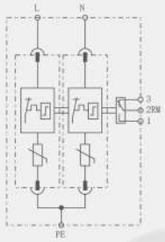
TECHNOLOGY PARAMETER

MODEL		MLN40-275	MLN40-320	MLN40-385	MLN40-440
Product Description		Type2 Surge Protection Device			
AC Operating Voltage	[Un]	230Vac	230Vac	230Vac	230Vac
Maximum Continuous Operating Voltage	[Uc]	275Vac	320Vac	385Vac	440Vac
Temporary Overvoltage Test Value TOV-5s[Tolerance]	[Ut]	335Vac	335Vac	500Vac	580Vac
Temporary Overvoltage Test Value TOV-120min[Disconnection]	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current[8/20μs]	[In]	20kA	20kA	20kA	20kA
Maximum Discharge Current[8/20μs]	[Imax]	40kA	40kA	40kA	40kA
Voltage Protection Level	[Up]	≤2.5kV	≤2.6kV	≤2.8kV	≤3.0kV
Short-circuit Current Rating	[Isccr]	25kA			
Response Time	[tA]	≤25ns			
Thermal Disconnection Device		Insertion			
Max. Backup Fuse		63A gL/gG Fuse			

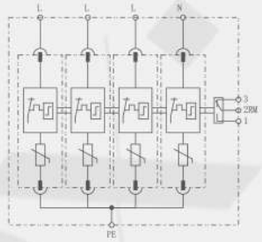
MECHANICAL DATA

Product Size		As photo
Wiring Method		Screw terminal 2.5-25mm² [busbar wiring method can be used]
Normal/Fault Display		Green/Red
Remote Signal		Optional
Maximum Remote Signal Load Voltage/current		250V/0.5A[AC],30V/3A[DC]
Maximum Cross-sectional Area Of Remote Signal Connection Line		1.5mm²
Installation		35mm din rail
Operating Temperature Range	[Tu]	-40~+85°
Protection Level		IP20
Enclosure Material		Thermoplastic materials,conform to UL94-V0

2+0



4+0



MODEL	PRODUCT CODE	PROTECTION MODE	In	Imax TOTAL	VOLTAGE PROTECTION LEVEL [UP]		
					L→PE	L→N	N→PE
MLN40-275/1+0	9070DD2040001	L/N→PE	20kA	40kA	≤2.5kV	/	≤2.5kV
MLN40-275/2+0	9070DD2040002	L,N→PE	20kA	80kA	≤2.5kV	/	≤2.5kV
MLN40-275/3+0	9070DD2040003	L→PE	20kA	120kA	≤2.5kV	/	/
MLN40-275/4+0	9070DD2040004	L,N→PE	20kA	160kA	≤2.5kV	/	≤2.5kV
MLN40-275/1+1	9070DD2040005	L→N,N→PE	20kA	40kA	/	≤2.5kV	≤2.5kV
MLN40-275/3+1	9070DD2040006	L→N,N→PE	20kA	40kA	/	≤2.5kV	≤2.5kV
MLN40-320/1+0	9070DD2030013	L/N→PE	20kA	40kA	≤2.6kV	/	≤2.5kV
MLN40-320/2+0	9070DD2030014	L,N→PE	20kA	80kA	≤2.6kV	/	≤2.5kV
MLN40-320/3+0	9070DD2030015	L→PE	20kA	120kA	≤2.6kV	/	/
MLN40-320/4+0	9070DD2030016	L,N→PE	20kA	160kA	≤2.6kV	/	≤2.5kV
MLN40-320/1+1	9070DD2030017	L→N,N→PE	20kA	40kA	/	≤2.6kV	≤2.5kV
MLN40-320/3+1	9070DD2030018	L→N,N→PE	20kA	40kA	/	≤2.6kV	≤2.5kV
MLN40-385/1+0	9070DD2040007	L/N→PE	20kA	40kA	≤2.8kV	/	≤2.5kV
MLN40-385/2+0	9070DD2040008	L,N→PE	20kA	80kA	≤2.8kV	/	≤2.5kV
MLN40-385/3+0	9070DD2040009	L→PE	20kA	120kA	≤2.8kV	/	/
MLN40-385/4+0	9070DD2040010	L,N→PE	20kA	160kA	≤2.8kV	/	≤2.5kV
MLN40-385/1+1	9070DD2040011	L→N,N→PE	20kA	40kA	/	≤2.8kV	≤2.5kV
MLN40-385/3+1	9070DD2040012	L→N,N→PE	20kA	40kA	/	≤2.8kV	≤2.5kV
MLN40-440/1+0	9070DD2030019	L/N→PE	20kA	40kA	≤3.0kV	/	≤2.5kV
MLN40-440/2+0	9070DD2030020	L,N→PE	20kA	80kA	≤3.0kV	/	≤2.5kV
MLN40-440/3+0	9070DD2030021	L→PE	20kA	120kA	≤3.0kV	/	/
MLN40-440/4+0	9070DD2030022	L,N→PE	20kA	160kA	≤3.0kV	/	≤2.5kV
MLN40-440/1+1	9070DD2030023	L→N,N→PE	20kA	40kA	/	≤3.0kV	≤2.5kV
MLN40-440/3+1	9070DD2030024	L→N,N→PE	20kA	40kA	/	≤3.0kV	≤2.5kV