

M-RESTER 시리즈 제품군

POWER SUPPLY LINE USE

1A Load Rating, Plug-in Type



MDP-100 / MDP-200

Model No.	MDP-100	MDP-200
Discharge Voltage	190V min.	410V min.
Max. Surge Voltage	400V max.	800V max.
Response Time	0.1 μsec. max.	
Discharge Current	1000A (8/20 μsec.)	
Max. Load Current	1A	
Internal Resistance	0.4 Ω max. (incl. return)	

2A Load Rating, Plug-in Type



MA-100 / MA-200

Model No.	MA-100	MA-200
Discharge Voltage	190V min.	410V min.
Max. Surge Voltage	350V max.	700V max.
Response Time	0.1 μsec. max.	
Discharge Current	1000A (8/20 μsec.)	
Max. Load Current	2A	
Voltage Drop	2V max. (50/60Hz)	

5A Load Rating, with Life Monitor



MAA-100 / MAA-200

Model No.	MAA-100	MAA-200
Discharge Voltage	190V min.	410V min.
Max. Surge Voltage	380V max.	700V max.
Response Time	0.01 μsec. max.	
Discharge Current	10000A (8/20 μsec.)	
Max. Load Current	5A	
Internal Resistance	0.5 Ω max. (incl. return)	

5A Load Rating, with Life Monitor / Surge Counter



MAAC-100 / MAAC-200

Model No.	MAAC-100	MAAC-200
Discharge Voltage	190V min.	410V min.
Max. Surge Voltage	400V max.	750V max.
Response Time	0.01 μsec. max.	
Discharge Current	10000A (8/20 μsec.)	
Max. Load Current	5A	
Internal Resistance	0.5 Ω max. (incl. return)	

10A Load Rating, Wall-mounted, High Speed, High Discharge Current Capacity



MMAH-100 / MMAH-200

Model No.	MMAH-100	MMAH-200
Discharge Voltage	190V min.	410V min.
Max. Surge Voltage	400V max.	750V max.
Response Time	4 nanosec.	
Discharge Current	20000A (8/20 μsec.)	
Max. Load Current	10A	
Internal Resistance	0.5 Ω max. (incl. return)	

5A Load Rating, Replaceable Surge Absorber



MAX-100 / MAX-200

Model No.	MAX-100	MAX-200
Discharge Voltage	190V min.	410V min.
Max. Surge Voltage	350V max.	700V max.
Response Time	0.01 μsec. max.	
Discharge Current	10000A (8/20 μsec.)	
Max. Load Current	5A	
Internal Resistance	0.5 Ω max. (incl. return)	

Medium Capacity 10A, 30A, Replaceable Surge Absorber



MMH-110 / MMH-130 / MMH-210 / MMH-230

Model No.	MMH-110	MMH-130	MMH-210	MMH-230
Discharge Voltage	130V min.		285V min.	
Max. Surge Voltage	350V max.		700V max.	
Response Time	0.01 μsec. max.			
Discharge Current	10000A (8/20 μsec.)			
Max. Load Current	10A	30A	10A	30A
Voltage Drop	1V max. (50/60Hz)			

M-RESTER Surge Protectors absorb only the lightning surges with no interruption of the instrumentation signal

POWER SUPPLY LINE USE

DC Power Supply Line, 1.2A Load Rating, Ultra-slim Type



MD7DP-12 / MD7DP-24

Model No.	MD7DP-12	MD7DP-24
Max. Cont. Operat. Volt. (Uc)	14V	27V
Voltage Protection Level (Up)	±150V max.	±170V max.
Response Time	4 nanosec. max.	
Max. Discharge Curr. (Imax)	20 kA (8/20 μsec.), 1.0 kA (10/350 μsec.)	
Nominal Current (IN)	1.2A	
Internal Resistance	0.8Ω max. (incl. return)	
Test Standard	IEC 61643-21 (Categories C1, C2, D1)	

DC Power Supply Line, 1A Load Rating, Plug-in Type



MDP-D12 / MDP-D24

Model No.	MDP-D12	MDP-D24
Discharge Voltage	14V min.	30V min.
Max. Surge Voltage	20V max.	40V max.
Response Time	4 nsec. max.	
Discharge Current	5000A (8/20 μsec.)	
Max. Load Current	1A	
Internal Resistance	0.6 Ω max. (incl. return)	

DC Power Supply Line, 5A Load Rating, Plug-in Type



MDH-12 / MDH-24 / MDH-48

Model No.	MDH-12	MDH-24	MDH-48
Discharge Voltage	24V min.	50V min.	88V min.
Max. Surge Voltage	70V max.	140V max.	210V max.
Response Time	0.1 μsec. max.		
Discharge Current	2000A (8/20 μsec.)		
Max. Load Current	5A		
Internal Voltage Drop	1V max.		

DC Power Supply Line, 5A Load Rating, with Life Monitor



MDHA-12 / MDHA-24

Model No.	MDHA-12	MDHA-24
Discharge Voltage	±15V min.	±30V min.
Max. Surge Voltage	±80V max.	±120V max.
Response Time	4 nsec. max.	
Discharge Current	10000A (8/20 μsec.)	
Max. Load Current	5A	
Internal Resistance	0.2 Ω max. (incl. return)	

One-port Surge Protector



MAKF-120/MAKF-240/MAKF-280/ MAKF-400/MAKF-480

Model No.	MAKF-120	MAKF-240	MAKF-280	MAKF-400	MAKF-480
Uc (AC)	150V	275V	320V	440V	530V
Discharge Voltage	250V min.	420V min.	460V min.	670V min.	820V min.
Up	@ 1.0kA (8/20μs)	600V max., 1000V max.	1100V max., 1500V max.	1500V max., 1800V max.	1800V max., 2100V max.
	@ 1.5kA (8/20μs)	650V max., 1100V max.	1200V max., 1700V max.	1700V max., 2100V max.	

One-port Surge Protector, Ultra-slim Type



MD7AP

Future Plan