

## MPAF 3Phase (Type 1 Hardwired)



### Features:

- Compact Design to mount directly to panel or in small space
- Front Facing design eases installation and performance monitoring
- 65kA 8/20  $\mu$ s max. surge rating per mode

The MPAF 208-3P-90D (& MPAF 480-3P-90D) Surge Protective Device (SPD) provides the industry's strongest level of surge protection in a very compact and easily installed unit. Unlike competitive bulky and expensive surge devices, the MPAF is modern state of the art with extreme performance. It can handle over three times the average lightning peak surge current.

The MPAF 90 series is designed for primary protection at the service entrance. As the first in line protection device, the MPAF handles any incoming surges safely. Other applications include, branch panels, switches, equipment disconnects and generator transfer switches. The MPAF is used in OEM panels as well as solar combiner boxes. It fulfills the requirements for UL 96A lightning protection installations and light pole applications. The housing is constructed of UV-stabilized thermoplastic and meets the UL 50 Type 4x rating, making it ideal for both indoor and outdoor applications. All of the models have a 20kA nominal discharge current rating, the highest level recognized under the UL 1449 Edition 4 standard.

The MPAF is a Type 1 device UL® Listed to UL 1449 Edition 4 and cUL® Listed to CAN/CSA C233.1. This allows installations on the line or load side (Type 1 or Type 2) of the service panel in accordance with the NEC® 2014 or CAN/CSA C233.1 without the requirement for additional circuit breakers or fuses.

## COMPARISON CHART

	T1SPD
Installation Rating	TYPE 1
Nominal System Voltage	120/208Vac & 277 / 480Vac
Distribution System	3Ph 3W+G
Frequency	0 – 100mhz
SCCR	200kAic
Nominal Discharge Current (In) , Per Mode	20kA 8/20 $\mu$ s
Max Discharge Current (Imax), Per Mode	65kA 8/20 $\mu$ s
VPR L-L / L-N	1,800 V L-L / 900 V L-N
Status indication	Blue LED
Technology	MOV with thermal disconnect
Lead Length / Wire Size	30" / #12 AWG
Temperature	-40 to 176°F
Mounting	1/2" straight threaded nipple