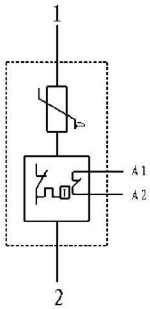


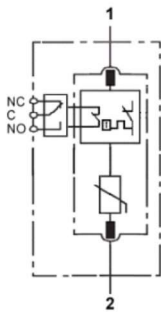
The PCB mounting SPD is easy integrated on printed circuit boards (PCB) and close to sensitive electronic element inside device, to minimize the potential impact of lightning events. The PCB mounting SPD will help to significantly reduce the cost of substantial repair, replacement, system downtime and the loss of revenue. PROSURGE's PCB mounting SPD is size optimization and space efficiency, which is a high performance but low cost solution for the industry of power electronics. It employs high energy Metal Oxide Varistor (MOV), and constructed with patented thermal protection and arc extinguishing technology which ensure safe disconnection while faulty current or abnormal voltage happened. Prosurge PCB mounting SPDs have comprehensively improved the safety performance and proven to be excellent fail-safe and self-protected protective devices because of patented technology.

• **PCB mounting-Soldering**



Part No.	PTMOV	PVTMOV	20PTMOV	SMTMOV	HSMTMOV
IEC/EN/UL category	II/T2/Type1ca	II/T2/Type 1ca	II/T2/Type1ca	II/T2/Type1ca	I+II/T1+T2/Type1ca
Max. continuous operating voltage U _c /U _{cpv} /MCOV	AC:150V~690V	DC:48V~1000V	AC:150V~550V	AC:150V~690V	AC:150V~320V
Nominal discharge current(8/20) I _n	10kA	10kA	20kA	20kA	15kA/20kA
Lightning impulse current (10/350) I _{imp}	-	-	-	-	8kA/ -
Max. discharge current(8/20) I _{max}	25kA	25kA	50kA	50kA	45kA/75kA
Fault indication	NA	NA	NA	A	A
Remote alarm contact	A	A	A	A	A
Operating temperature	-40~80°C	-40~85(110)°C	-40~85°C	-40~85°C	-40~85°C
Certification	UL,CE	TUV,CE	UL,CE	UL,CE	UL,CE

• **PCB mounting- Pluggable while install with soldering socket**



Part No.	MPV50	SP D	MPVB12.5	MBPS12.5
IEC/EN/UL category	I+II/T1+T2/Type1ca	II/T2/Type1ca	I+II/T1+T2/Type1ca	I+II/T1+T2/Type1ca
Max. continuous operating voltage U _c /U _{cpv} /MCOV	DC:48V~750V	DC:85V~825V	DC:48V~750V	AC:75V~750V
Nominal discharge current(8/20) I _n	20kA	20kA	25kA	25kA
Lightning impulse current (10/350) I _{imp}	7.5kA	-	12.5kA	12.5kA
Max. discharge current(8/20) I _{max}	50kA	50kA	80kA	80kA
Fault indication	A	A	A	A
Remote alarm contact *	A	A	A	A
Operating temperature	-40~85°C	-40~85°C	-40~85°C	-40~85°C
Certification	TUV,CE	UL,CE	TUV,CE	TUV,CE

Note:
*: Need be used with socket.