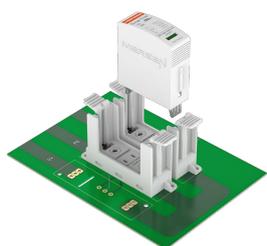


Surge-Trap® PCB Socket

SURGE PROTECTION COMPONENTS FOR OEM DESIGNERS

PLUG-IN SURGE PROTECTION FOR PCB



SB PCB is the series of socket bases that allow for integration of Mersen's pluggable IEC surge protection cartridges directly on printed circuit boards. Those surge cartridges will be easily replaceable upon reaching their end of life. SB PCB is an optimal solution for the industry of power electronics: inverters, converters, control panels for railway, PV combiner boxes, machines, OEM equipment, etc. Key benefits are cost efficiency, space efficiency, no wiring and optimal voltage protection of sensitive electronics. Integration of surge protection on PCBs is often planned for at an early stage of development of the system. The surge sockets will be firmly fixed to the PCB during the wave soldering process. They'll host the entire range of IEC surge protection cartridges AC & DC, T2 & T1.

TECHNICAL DATA OVERVIEW

Class	Type 1+2 & Type 2 to IEC
Voltage Range AC	60 ... 850 VAC
Voltage Range DC	660 ... 1500 VDC
Body Material	PA66 CT1; V-0
System type	Y PV, U PV, TT, TNS, TNC, IT, multiple MPPT
Number of poles	1
Format	PCB mounted
Temperature range	-40 ... 85 ° C
Package	96 units

FEATURES & BENEFITS

- Single pole sockets
- Up to 1500 Vdc
- Type 1 & Type 2 according to IEC 61643-11
- Remote end of life indicators
- Mechanically coded bases to avoid cartridge replacement errors
- Vibration proof design according to EN 60721-3-3
- Cost and space saving
- No wiring
- Optimal voltage protection

APPLICATIONS

- Photovoltaic, wind & railway



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PRODUCT RANGE



SB-PCB-1000PV-M

Photovoltaic (DC)

Catalog number	Item number	U _{cpv}	Cartridge No L-N	Remote
SB-PCB-1000PV-M	83050133	1000 VDC	SP2-40K1000V-PV SP12-5K1000V-PV	Yes
SB-PCB-1500PV-M	83050135	1500 VDC	SP2-40K1500V-PV SP12-5K1500V-PV	Yes



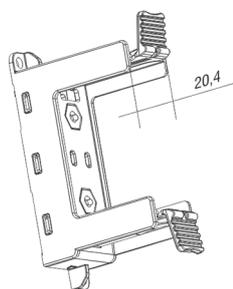
SB-PCB-275V-M

AC

Catalog number	Item number	U _c	Cartridge No L-N	Remote
SB-PCB-275V-M	83050119	275 V	SP2-40K275V	Yes
SB-PCB-320V-M	83050121	320 V	SP2-40K320V	Yes
SB-PCB-440V-M	83050123	440 V	SP2-40K440V	Yes
SB-PCB-750V-M	83050127	750 V	SP2-30K750V	Yes

DIMENSIONS

1 Pole



1 Pole

