

## Quick Product Selector

Low Voltage Power Systems													
Product	Page		$U_c$	$I_{imp}$ (10/350 $\mu$ s)	$I_{max}$ (8/20 $\mu$ s)	$I_n$ (8/20 $\mu$ s)	Network Systems	Location	Special Features	Housing	Compliance		
TYPE 1 + 2	ProTec T1HS 25kA Series	10		300V	25kA	65kA	25kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>First step of protection</li> <li>In front of the power meter</li> </ul>	<ul style="list-style-type: none"> <li>Hybrid Topology</li> <li>TOV Immunity</li> <li>Leakage current free</li> <li>Vibration/Shock immunity</li> </ul>	<ul style="list-style-type: none"> <li>Easy replacement during servicing</li> <li>No external fuse required up to 315 A gG</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
	ProTec ZPS T1H Busbar System	20		300V	Up to 12.5kA	50kA	20kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>First step of protection</li> <li>Busbar systems</li> <li>In front of the power meter</li> </ul>	<ul style="list-style-type: none"> <li>Hybrid Topology</li> <li>Screwless mount type for 40mm busbar systems</li> <li>TOV Immunity</li> <li>Leakage current free</li> </ul>	<ul style="list-style-type: none"> <li>Optional auxiliary contacts</li> <li>Optimized design for multi-metering point requirement</li> <li>No external fuse required up to 315 A gG</li> </ul>	Compact Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> </ul>
	ProTec T1H 12.5kA Series	38		300V	12.5kA	65kA	20kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>First step of protection</li> <li>In front of the power meter</li> </ul>	<ul style="list-style-type: none"> <li>Hybrid Topology</li> <li>TOV Immunity</li> <li>Leakage current free</li> <li>Vibration/Shock immunity</li> </ul>	<ul style="list-style-type: none"> <li>Easy replacement during servicing</li> <li>No external fuse required up to 315 A gG</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
	ProTec T1 12.5kA Series	54		75, 150, 300, 350, 480, 750V	Up to 12.5kA	Up to 50kA	20kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>First step of protection</li> <li>Behind the power meter</li> </ul>	<ul style="list-style-type: none"> <li>Basic MOV Topology</li> <li>No external fuse required up to 315 A gG</li> <li>SCCR 200kA</li> </ul>	<ul style="list-style-type: none"> <li>Extra high and low models</li> <li>Easy replacement during servicing</li> <li>Vibration/Shock immunity</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
	ProBloc B(R) 25kA Series 12.5kA Series	70		150, 275, 320V	Up to 25kA	Up to 100kA	Up to 25kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>First step of protection</li> <li>Behind the power meter</li> </ul>	<ul style="list-style-type: none"> <li>Basic MOV Topology</li> <li>Vibration/Shock immunity</li> <li>Cost-optimized solution</li> </ul>		Compact Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> </ul>
TYPE 2	SafeBloc B(R) 25kA Series 12.5kA Series	102		150, 275, 440, 750V	Up to 25kA	Up to 80kA	Up to 25kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>First step of protection</li> <li>In front of the power meter</li> </ul>	<ul style="list-style-type: none"> <li>Hybrid Topology.</li> <li>TOV Immunity</li> <li>Leakage current free</li> <li>Vibration/Shock immunity</li> </ul>	<ul style="list-style-type: none"> <li>Cost-optimized solution</li> <li>No external fuse required up to 315 A gG</li> </ul>	Compact Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> </ul>
	ProTec T2H	138		300V		50kA	20kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>Second step of protection</li> </ul>	<ul style="list-style-type: none"> <li>Hybrid Topology</li> <li>TOV Immunity</li> <li>Leakage current free</li> <li>Vibration/Shock immunity</li> </ul>	<ul style="list-style-type: none"> <li>No external fuse required up to 315 A gG</li> <li>Easy replacement during servicing</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
	ProTec T2	154		75, 150, 300, 350, 480, 750V		Up to 50kA	20kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>Second step of protection</li> </ul>	<ul style="list-style-type: none"> <li>Basic MOV Topology</li> <li>No external fuse required up to 315 A gG</li> <li>Extra high and low models</li> </ul>	<ul style="list-style-type: none"> <li>Easy replacement during servicing</li> <li>Vibration/Shock immunity</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
	ProTec T2 ADV	170		75, 150, 300, 350, 480V		50kA	20kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>Second step of protection</li> </ul>	<ul style="list-style-type: none"> <li>Early warning system (3-stage life time indicator)</li> <li>No external fuse required up to 160 A gG</li> </ul>	<ul style="list-style-type: none"> <li>SCCR 200kA</li> <li>Easy replacement during servicing</li> <li>Vibration/Shock immunity</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
TYPE 1 + 2	SafeTec T2	186		75, 150, 300, 350, 480, 550, 750, 880V		Up to 50kA	20kA	TNS, TNC, TT	<ul style="list-style-type: none"> <li>Second step of protection</li> </ul>	<ul style="list-style-type: none"> <li>Hybrid Topology</li> <li>TOV Immunity</li> <li>No external fuse required up to 315 A gG</li> </ul>	<ul style="list-style-type: none"> <li>Extra high and low models</li> <li>Easy replacement during servicing</li> <li>Vibration/Shock immunity</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
	PCB Socket T1 PCB Socket T2	214		Up to 750V	Up to 25kA	Up to 65kA	Up to 40kA	AC Systems	<ul style="list-style-type: none"> <li>Indoor affixed to PCB</li> </ul>	<ul style="list-style-type: none"> <li>Short circuit current rating up to SCCR 25kA</li> </ul>	<ul style="list-style-type: none"> <li>Single-pole PCB Mount SPD Socket for AC System</li> <li>Vibration/Shock immunity</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-11:2011</li> <li>EN 61643-11:2012</li> </ul>
DC TYPE 1 + 2 & TYPE 2	PCB Socket T1 PV PCB Socket T2 PV	214		Up to 750VDC	Up to 6.25kA	Up to 40kA	Up to 20kA	PV Systems	<ul style="list-style-type: none"> <li>String boxes and inverters</li> <li>Affixed to PCB</li> </ul>	<ul style="list-style-type: none"> <li>Maximum discharge current up to <math>I_{max}</math> 40kA</li> </ul>	<ul style="list-style-type: none"> <li>Single-pole PCB Mount SPD Socket for PV System</li> <li>Vibration/Shock immunity</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>IEC 61643-31:2018</li> <li>EN 50539 11:2013 +A1:2014</li> <li>UL 1449 4th Edition</li> </ul>
	ProTec T1 PV ProTec T2 PV	220		1100 / 1500VDC	Up to $I_{imp}$ 6.25kA Up to $I_{Total}$ 12.5kA		$I_n$ 20kA Up to $I_{Total}$ 50kA	PV DC Side	<ul style="list-style-type: none"> <li>DC Photovoltaic applications</li> </ul>	<ul style="list-style-type: none"> <li>Short circuit current rating of 11kA</li> <li>SCCR 50kA and 65kA</li> </ul>	<ul style="list-style-type: none"> <li>Easy replacement during servicing</li> <li>Vibration/Shock immunity</li> </ul>	Pluggable Design	<ul style="list-style-type: none"> <li>EN 61643-11:2012</li> <li>UL 1449 4th Edition</li> </ul>
	ProBloc B DC SafeTec T2 DC	226		1000VDC	$I_{imp}$ 6.25kA $I_{Total}$ 12.5kA		$I_n$ 20kA $I_{Total}$ 65kA	DC Systems	<ul style="list-style-type: none"> <li>DC applications</li> <li>First and second step of protection</li> </ul>	<ul style="list-style-type: none"> <li>Type 1CA (ProBloc B 1000DC)/ Type 4CA (SafeTec T2 DC) surge protective device for DC</li> <li>Vibration/Shock immunity</li> </ul>	<ul style="list-style-type: none"> <li>Maximum DC operating voltage up to 100VDC</li> <li>High short circuit current rating</li> <li>SCCR 50kA</li> </ul>	Compact / Pluggable Design	<ul style="list-style-type: none"> <li>UL 1449 4th Edition</li> </ul>