Quick step guide to purchasing an SPD Which SPD is best for your application?

— 01 OVRHSP	SPD types:
— 02 OVHTE — 03 OVRHS3U OVRHT3B	Type 1 — Permanently connected SPD installed between the secondary of the service transformer and the line side
OVRHT3C — 04 OVRHLD	of the service disconnect. Type 2 — Permanently connected SPD
	installed on the load side of the main service disconnect.
	Type 3 — Installed a minimum of 10 meters (30 feet) from the panel, cord connected,
	direct plug-in or receptacle types.
	Type 4 and 5 — Components SPD, including discrete components as
	well as component assemblies.



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Quick reference guide to product features

	OVRHSP	OVRHTE	OVRHS3U OVRHT3B OVRHT3C	OVRHLD	DIN Rail Type 4 for Type 2 locations	
SPD Type	Туре 1	Type 2	Model dependent	Type 1		
Regulatory	 ETL - 60, 80, 100 kA models only UL - 120, 160, 200, 240, 300, 400 kA models only CE - All units 	•UL	• UL	•ETL	•UL •CE	
Warranty	• 10 years (optional 15 years)	• 5 years	• 3 years	• 3 years	• Model dependent	
Budget	\$\$\$	\$\$	\$	\$	\$	
Features	 Overcurrent fusing EMI filter Surge counter LED(s) Dry relay contacts RoHS Audible alarm with alarm silence NEMA 4 	LED(s) Overcurrent fusing Overcu unter Dry relay contacts LED(s) Dry relay contacts NeMA 4 OVRHS3U only NEMA 4 NeMS		.,	 Modular design Dry relay contacts – model dependent Failure indicator RoHS 	
Typical application	 Service entrance Mid-level distribution Panelboard distribution 	• Mid-level distribution • Panelboard distribution	• Mid-level distribution • Panelboard distribution	 Panelboard distribution Internally mounted solution 	 Panelboard distribution Internally mounted solution 	





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Quick step guide to purchasing an SPD

	Protected equipment examples		Isokeraunic risk (thunderstorm days per year)				
SPD location			High risk region South SouthWest	Medium risk region Mid-Atlantic Mid-West	Low risk region New England West	Recommended SPD	Alternative SPD
Service entrance							
The point of entry for utility power. A unit installed here protects the facility from a large external event, such as lightning or grid switching.	 Electrical switchgear Switchboard Distribution MCCs 	Emergency power backup Transfer switch UPS system	Suggested Above 300 kA	surge rating based on l Above 200 kA	sokeraunic risk Above 120 kA	• OVRHSP 400 kA • OVRHSP 300 kA • OVRHSP 240 kA	• OVRHSP 200 k/ • OVRHSP 160 k/ • OVRHSP 120 k/
Mid-level distribution							
Closer to the critical load.	Emergency power backup	Surveillance equipment	Suggested	Suggested surge rating based on Isokeraunic risk		• OVRHSP 240 kA	• OVRHSP 120 kA
A unit installed here protects from internally generated surges and isolates critical equipment from faults.	 Transfer switches Control boxes Switchgear Generators Computer servers Building management systems 	 Security systems HVAC Fire alarm panels Copiers Telephone systems Fax machines 	Between 240 kA and 400 kA	Between 120 kA and 240 kA	Between 50 kA and 120 kA	• OVRHSP 200 kA • OVRHSP 160 kA • OVRHSP 120 kA	 OVRHSP 100 kA OVRHSP 80 kA OVRHS3U OVRHT3B OVRHT3C OVRHTE 100 kA OVRHTE 50 kA
Panelboard distribution							
Installing surge protection at panel distribution extends unit longevity by absorbing mini surges that reduce equipment life.	CAT-Scan Life support equipment Medical instrumentation Computer servers Printe Comp Pump	 Parking lot lighting 	Suggested surge rating based on Isokeraunic risk			• OVRHSP 120 kA	• OVRHS3U
		 Printers Communication systems Motors Pumps Drives 	Between 160 kA and 300 kA	Between 80 kA and 160 kA	Between 25 kA and 80 kA	 OVRHSP 100 kA OVRHSP 80 kA OVRHSP 60 kA OVRHTE 80 kA OVRHTE 50 kA OVRHTE 50 kA OVRHTE 25 kA 	OVRHT3B OVRHT3C • OVRHLD • DIN Rail series

Notes: SPD voltage must match application voltage.

In cases where the input voltage to a panel is a Wye voltage configuration, but all of the loads are either L-G or L-L reference, a Delta system is the preferred SPD voltage configuration.

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ABB Inc. Electrification business 860 Ridge Lake Blvd. Memphis, TN 38120

Customer Service: 800-816-7809 7:00 a.m. – 5:30 p.m., CST, Monday-Friday elec_custserv@us.abb.com Technical Support: 888-385-1221, Option 1 7:00 a.m. – 5:00 p.m., CST, Monday-Friday lvps.support@us.abb.com







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