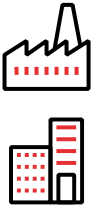
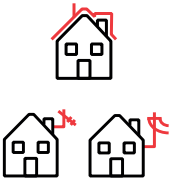


SHORT SELECTION GUIDE

Surge protective devices

Power line protection AC

Detailed product description

Type of building to be protected	Main Distribution Board T1 (+T2)	Product name	Product code	Sub distribution board T2	Product code	
 Industrial areas, offices, public, big residential buildings	TN-S and TT systems with 230/400 V			Distance to sub distribution > 10 meters		
	OVR T1-T2 3N 25-255 P QS 2CTB825101R1600			OVR T2 3N 40-275 P QS 2CTB803973R1100		
	OVR T1-T2 3N 25-255 P TS QS 2CTB825101R0700			OVR T2 3N 40-275 P TS QS 2CTB803973R0500		
	TN-C systems with 230/400 V			Distance to sub distribution > 10 meters		
	OVR T1-T2 3L 25-255 P QS 2CTB825101R1300			OVR T2 3L 40-275 P QS 2CTB803873R2400		
	OVR T1-T2 3L 25-255 P TS QS 2CTB825101R0600			OVR T2 3L 40-275 P TS QS 2CTB803873R2500		
	– Optional Auxiliary contact (TS)			– Optional Auxiliary contact (TS)		
 Residential building with lightning rod, overhead power line or antenna	TN and TT systems with 230/400 V			Distance to sub distribution board and loads > 10 meters		
	OVR T1-T2 3N 12.5-275s P QS 2CTB825101R1300			OVR T2-T3 3N 20-275 P QS QS 2CTB803973R1200		
	OVR T1-T2 3N 12.5-275s P TS QS 2CTB825101R0600			OVR T2-T3 3N 20-275 P TS QS 2CTB803973R1600		
	– Extended protection with additional varistor					
	– Optional Auxiliary contact (TS)			– Optional Auxiliary contact (TS)		
 Residential building without lightning rod, overhead power lines or antenna	TN and TT systems with 230/400 V			Distance between sub distribution board and loads < 10 meters		
	OVR T2 3N 40-275 P QS 2CTB803973R1100			Not need for extra protection		
	OVR T2 3N 40-275 P TS QS 2CTB803973R0500					
	– Optional Auxiliary contact (TS)					

Back-up protection MCB/Fuse

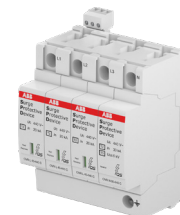


Protection for
photovoltaic (PV)
installations



DC voltage	Direct current (DC)	Product code
600 V	OVR PV T2 40-600 P QS	2CTB804153R2800
	OVR PV T2 40-600 P TS QS	2CTB804153R2900
1100 V	OVR PV T2 40-1000 P QS	2CTB804153R2400
	OVR PV T2 40-1000 P TS QS	2CTB804153R2500
	OVR PV T1-T2 5-1000 P QS	2CTB812050R1000
	OVR PV T1-T2 5-1000 P TS QS	2CTB812051R1000
	OVR PV T1-T2 12.5-1000 P QS	2CTB812120R1000
	OVR PV T1-T2 12.5-1000 P TS QS	2CTB812121R1000
1500 V	OVR PV T2 40-1500 P QS	2CTB804153R2600
	OVR PV T2 40-1500 P TS QS	2CTB804153R2700
	OVR PV T1-T2 5-15000 P QS	2CTB812050R1500
	OVR PV T1-T2 5-1500 P TS QS	2CTB812051R1500
	OVR PV T1-T2 10-1500 P QS	2CTB812100R1500
	OVR PV T1-T2 10-1500 P TS QS	2CTB812100R1500

– Optional Auxiliary contact (TS)



Alternating current (AC)	Product code
3 Phases	
OVR T2 3N 40-275 P QS	2CTB803973R1100
OVR T2 3N 40-275 P TS QS	2CTB803973R0500

1 Phase	
OVR T2 1N 40-275 P QS	2CTB803972R1100
OVR T2 1N 40-275 P TS QS	2CTB803972R0500

– Optional Auxiliary contact (TS)



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Quick step guide to purchasing an SPD

Which SPD is best for your application?

- 01 OVRHTP
- 02 OVHTE
- 03 OVRHS3U
OVRHT3B
OVRHT3C
- 04 OVRHLD
- 05 DIN Rail

UL SPD types:
Type 1 — Permanently connected SPD installed between the secondary of the service transformer and the line side 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.



01



02



03



04



05

Quick reference guide to product features

	OVRHTP	OVRHTE	OVRHS3U OVRHT3B OVRHT3C	OVRHLD	DIN Rail
SPD Type	Type 1	Type 2	Model dependent	Type 1	Type 4 for Type 2 locations
Regulatory	• UL	• UL	• UL	• ETL	• UL • CE
Warranty	• 10 years (optional 15 years)	• 5 years	• 3 years	• 3 years	• Model dependent
Budget	\$\$\$	\$\$	\$	\$	\$
Features	• Thermally protected MOV • EMI filter • Surge counter* • LED(s) • Dry relay contacts* • RoHS • Audible alarm with alarm silence* • NEMA 4	• EMI filter • LED(s) • Dry relay contacts* • RoHS • NEMA 4	• Thermal fusing • Overcurrent fusing • LED(s) • Dry relay contacts – OVRHS3U only* • RoHS	• Thermal fusing • Overcurrent fusing • LED(s) • RoHS	• Modular design • Dry relay contacts* • 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

*Optional feature

ABB Inc.
305 Gregson Drive
Cary, NC 27511
United States

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

Quick step guide to purchasing an SPD

SPD location	Protected equipment examples	Isokeraunic risk (thunderstorm days per year)			Recommended SPD	Alternative SPD
		High risk region South South West	Medium risk region Mid-Atlantic Mid-West	Low risk region New England West		
Service entrance		Suggested surge rating based on Isokeraunic risk			• OVRHTP 400 kA • OVRHTP 300 kA • OVRHTP 240 kA	• OVRHTP 200 kA • OVRHTP 160 kA • OVRHTP 120 kA
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	Above 300 kA	Above 200 kA	Above 120 kA	
Mid-level distribution		Suggested surge rating based on Isokeraunic risk			• OVRHTP 240 kA • OVRHTP 200 kA • OVRHTP 160 kA • OVRHTP 120 kA	• OVRHTP 120 kA • OVRHTP 100 kA • OVRHTP 80 kA • OVRHS3U OVRHT3B OVRHT3C • OVRHTE 100 kA • OVRHTE 50 kA
Closer to the critical load. A unit installed here protects from internally generated surges and isolates critical equipment from faults.	• Emergency power backup • Transfer switches • Control boxes • Switchgear • Generators • Computer servers • Building management systems	• Surveillance equipment • 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	
Panelboard distribution		Suggested surge rating based on Isokeraunic risk			• OVRHTP 120 kA • OVRHTP 100 kA • OVRHTP 80 kA • OVRHTP 60 kA • OVRHTE 80 kA • OVRHTE 50 kA • OVRHTE 25 kA	• OVRHS3U OVRHT3B OVRHT3C • OVRHLD • DIN Rail series
Installing surge protection at panel distribution extends unit longevity by absorbing mini surges that reduce equipment life.	• X-Ray • CAT-Scan • Life support equipment • Medical instrumentation • Computer servers • Elevators	• Parking lot lighting • Printers • Communication systems • Motors • Pumps • Drives	Between 160 kA and 300 kA	Between 80 kA and 160 kA	Between 25 kA and 80 kA	

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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