



## VZCA2.E319871 Surge-protective Devices - Component

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### Surge-protective Devices - Component

[See General Information for Surge-protective Devices - Component](#)**PROSURGE ELECTRONICS CO LTD**

E319871

Dajin Industrial Zone

Jiansha Rd Danzao Nanhai

Foshan, Guangdong 528216 CHINA

**Effective until March 11, 2016**

**Surge-protective device, Type 4, For use in SPD Type 2 applications**, Cat No. HIT 34S102K, HIT 34S102KBD, HIT 34S112K, HIT 34S112KBD, HIT 34S122K, HIT 34S122KBD, HIT 34S182K, HIT 34S182KBD, HIT 34S201K, HIT 34S201KBD, HIT 34S221K, HIT 34S221KBD, HIT 34S241K, HIT 34S241KBD, HIT 34S271K, HIT 34S271KBD, HIT 34S301K, HIT 34S301KBD, HIT 34S331K, HIT 34S331KBD, HIT 34S361K, HIT 34S361KBD, HIT 34S391K, HIT 34S391KBD, HIT 34S431K, HIT 34S431KBD, HIT 34S471K, HIT 34S471KBD, HIT 34S511K, HIT 34S511KBD, HIT 34S561K, HIT 34S561KBD, HIT 34S621K, HIT 34S621KBD, HIT 34S681K, HIT 34S681KBD, HIT 34S751K, HIT 34S751KBD, HIT 34S821K, HIT 34S821KBD, HIT 34S911K, HIT 34S911KBD, HIT 40D102K, HIT 40D102KBD, HIT 40D112K, HIT 40D112KBD, HIT 40D122K, HIT 40D122KBD, HIT 40D182K, HIT 40D182KBD, HIT 40D201K, HIT 40D201KBD, HIT 40D221K, HIT 40D221KBD, HIT 40D241K, HIT 40D241KBD, HIT 40D271K, HIT 40D271KBD, HIT 40D301K, HIT 40D301KBD, HIT 40D331K, HIT 40D331KBD, HIT 40D361K, HIT 40D361KBD, HIT 40D391K, HIT 40D391KBD, HIT 40D431K, HIT 40D431KBD, HIT 40D471K, HIT 40D471KBD, HIT 40D511K, HIT 40D511KBD, HIT 40D561K, HIT 40D561KBD, HIT 40D621K, HIT 40D621KBD, HIT 40D681K, HIT 40D681KBD, HIT 40D751K, HIT 40D751KBD, HIT 40D821K, HIT 40D821KBD, HIT 40D911K, HIT 40D911KBD

**Effective May 3, 2010**

Cat No.	SPD Type	Volts (V)	AC/DC/DC PV	PH	AMPS (A)	AMB (°C)	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
<b>SMTMOV150</b>	1CA	120	AC	1	n/a	85	Ld-Ld	600	-	150	-	20	200	1
<b>SMTMOV150B</b>	1CA	120	AC	1	n/a	85	Ld-Ld	600	-	150	-	20	200	1
<b>SMTMOV150C</b>	2CA	120	AC	1	n/a	85	Ld-Ld	600	-	150	-	20	200	1
<b>SMTMOV150CB</b>	2CA	120	AC	1	n/a	85	Ld-Ld	600	-	150	-	20	200	1
<b>SMTMOV180</b>	1CA	120	AC	1	n/a	85	Ld-Ld	600	-	180	-	20	200	1
<b>SMTMOV180B</b>	1CA	120	AC	1	n/a	85	Ld-Ld	600	-	180	-	20	200	1
<b>SMTMOV180C</b>	2CA	120	AC	1	n/a	85	Ld-Ld	600	-	180	-	20	200	1
<b>SMTMOV180CB</b>	2CA	120	AC	1	n/a	85	Ld-Ld	600	-	180	-	20	200	1
<b>SMTMOV275</b>	1CA	240	AC	1	n/a	85	Ld-Ld	800	-	275	-	20	200	1
<b>SMTMOV275B</b>	1CA	240	AC	1	n/a	85	Ld-Ld	800	-	275	-	20	200	1
<b>SMTMOV275C</b>	2CA	240	AC	1	n/a	85	Ld-Ld	800	-	275	-	20	200	1
<b>SMTMOV275CB</b>	2CA	240	AC	1	n/a	85	Ld-Ld	800	-	275	-	20	200	1
<b>SMTMOV320</b>	1CA	277	AC	1	n/a	85	Ld-Ld	1000	-	320	-	20	200	1
<b>SMTMOV320B</b>	1CA	277	AC	1	n/a	85	Ld-Ld	1000	-	320	-	20	200	1
<b>SMTMOV320C</b>	2CA	277	AC	1	n/a	85	Ld-Ld	1000	-	320	-	20	200	1
<b>SMTMOV320CB</b>	2CA	277	AC	1	n/a	85	Ld-Ld	1000	-	320	-	20	200	1
<b>SMTMOV420</b>	1CA	347	AC	1	n/a	85	Ld-Ld	1500	-	420	-	20	200	1
<b>SMTMOV420B</b>	1CA	347	AC	1	n/a	85	Ld-Ld	1500	-	420	-	20	200	1
<b>SMTMOV420C</b>	2CA	347	AC	1	n/a	85	Ld-Ld	1500	-	420	-	20	200	1
<b>SMTMOV420CB</b>	2CA	347	AC	1	n/a	85	Ld-Ld	1500	-	420	-	20	200	1
<b>SMTMOV550</b>	1CA	480	AC	1	n/a	85	Ld-Ld	1500	-	550	-	20	200	1
<b>SMTMOV550B</b>	1CA	480	AC	1	n/a	85	Ld-Ld	1500	-	550	-	20	200	1
<b>SMTMOV550C</b>	2CA	480	AC	1	n/a	85	Ld-Ld	1500	-	550	-	20	200	1

<b>SMTMOV550CB</b>	2CA	480	AC	1	n/a	85	Ld-Ld	1500	-	550	-	20	200	1
<b>SMTMOV690</b>	1CA	600	AC	1	n/a	85	Ld-Ld	2000	-	690	-	20	200	1
<b>SMTMOV690B</b>	1CA	600	AC	1	n/a	85	Ld-Ld	2000	-	690	-	20	200	1
<b>SMTMOV690C</b>	2CA	600	AC	1	n/a	85	Ld-Ld	2000	-	690	-	20	200	1
<b>SMTMOV690CB</b>	2CA	600	AC	1	n/a	85	Ld-Ld	2000	-	690	-	20	200	1
<b>SP150</b>	4CA	120	AC	1	n/a	85	Ld-Ld	-	1560	150	n/a	20	n/a	1
<b>SP150/2P</b>	4CA	120	AC	1	n/a	85	L-N L-G N-G	- - -	3120 1560 1560	150 150 150	n/a n/a n/a	20	n/a	1
<b>SP150/3P</b>	4CA	208/120	AC	3Y	n/a	85	L-L L-G	- -	3120 1560	300 150	n/a n/a	20	n/a	1
<b>SP150/3PN</b>	4CA	208/120	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3120 1560 2730 1170	300 150 150 48	n/a n/a n/a n/a	20	n/a	1
<b>SP150/4P</b>	4CA	208/120	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3120 3120 1560 1560	300 150 150 150	n/a n/a n/a n/a	20	n/a	1
<b>SP150/PN</b>	4CA	120	AC	1	n/a	85	L-N L-G N-G	- - -	1560 2730 1170	150 150 48	n/a n/a n/a	20	n/a	1
<b>SP150T</b>	4CA	0	AC	1	n/a	85	N-G	-	1170	48	n/a	20	n/a	1
<b>SP180</b>	4CA	120	AC	1	n/a	85	Ld-Ld	-	1570	180	n/a	20	n/a	1
<b>SP180/2P</b>	4CA	120	AC	1	n/a	85	L-N L-G N-G	- - -	3140 1570 1570	180 180 180	n/a n/a n/a	20	n/a	1
<b>SP180/3P</b>	4CA	208/120	AC	3Y	n/a	85	L-L L-G	- -	3140 1570	360 180	n/a n/a	20	n/a	1
<b>SP180/3PN</b>	4CA	208/120	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3140 1570 2740 1170	360 180 180 48	n/a n/a n/a n/a	20	n/a	1
<b>SP180/4P</b>	4CA	208/120	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3140 3140 1570 1570	360 180 180 180	n/a n/a n/a n/a	20	n/a	1
<b>SP180/PN</b>	4CA	120	AC	1	n/a	85	L-N L-G N-G	- - -	1570 2740 1170	180 180 48	n/a n/a n/a	20	n/a	1
<b>SP255T</b>	4CA	0	AC	1	n/a	85	N-G	-	1170	48	n/a	20	n/a	1
<b>SP275</b>	4CA	240	AC	1	n/a	85	Ld-Ld	-	1830	275	n/a	20	n/a	1
<b>SP275/2P</b>	4CA	240	AC	1	n/a	85	L-N L-G N-G	- - -	3660 1830 1830	275 275 275	n/a n/a n/a	20	n/a	1
<b>SP275/3P</b>	4CA	415/240	AC	3Y	n/a	85	L-L L-G	- -	3660 1830	550 275	n/a n/a	20	n/a	1
<b>SP275/3PN</b>	4CA	415/240	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3660 1830 3460 1630	550 275 275 48	n/a n/a n/a n/a	20	n/a	1
<b>SP275/4P</b>	4CA	415/240	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3660 3660 1830 1830	550 275 275 275	n/a n/a n/a n/a	20	n/a	1
<b>SP275/PN</b>	4CA	240	AC	1	n/a	85	L-N L-G N-G	- - -	1830 3460 1630	275 275 48	n/a n/a n/a	20	n/a	1
<b>SP320</b>	4CA	277	AC	1	n/a	85	Ld-Ld	-	1890	320	n/a	20	n/a	1
<b>SP320/2P</b>	4CA	277	AC	1	n/a	85	L-N L-G N-G	- - -	3780 1890 1890	320 320 320	n/a n/a n/a	20	n/a	1

<b>SP320/3P</b>	4CA	480/277	AC	3Y	n/a	85	L-L L-G	- -	3780 1890	640 320	n/a n/a	20	n/a	1
<b>SP320/3PN</b>	4CA	480/277	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3780 1890 3520 1630	640 320 320 48	n/a n/a n/a n/a	20	n/a	1
<b>SP320/4P</b>	4CA	480/277	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	3780 3780 1890 1890	640 320 320 320	n/a n/a n/a n/a	20	n/a	1
<b>SP320/PN</b>	4CA	277	AC	1	n/a	85	L-N L-G N-G	- - -	1890 3520 1630	320 320 48	n/a n/a n/a	20	n/a	1
<b>SP420</b>	4CA	347	AC	1	n/a	85	Ld-Ld	-	2180	420	n/a	20	n/a	1
<b>SP420/2P</b>	4CA	347	AC	1	n/a	85	L-N L-G N-G	- - -	4360 2180 2180	420 420 420	n/a n/a n/a	20	n/a	1
<b>SP420/3P</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-G	- -	4360 2180	840 420	n/a n/a	20	n/a	1
<b>SP420/3PN</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	4360 2180 3810 1630	840 420 420 48	n/a n/a n/a n/a	20	n/a	1
<b>SP420/4P</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	4360 4360 2180 2180	840 420 420 420	n/a n/a n/a n/a	20	n/a	1
<b>SP420/PN</b>	4CA	347	AC	1	n/a	85	L-N L-G N-G	- - -	2180 3900 1630	420 420 48	n/a n/a n/a	20	n/a	1
<b>SP550</b>	4CA	480	AC	1	n/a	85	Ld-Ld	-	2550	550	n/a	20	n/a	1
<b>SP550/2P</b>	4CA	480	AC	1	n/a	85	L-N L-G N-G	- - -	5100 2550 2550	1000 550 550	n/a n/a n/a	20	n/a	1
<b>SP550/3P</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-G	- -	5240 2550	1000 550	n/a n/a	20	n/a	1
<b>SP550/4P</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	5240 5240 2550 2550	1000 550 550 550	n/a n/a n/a n/a	20	n/a	1
<b>SP690</b>	4CA	600	AC	1	n/a	85	Ld-Ld	-	2990	690	n/a	20	n/a	1
<b>SP690/2P</b>	4CA	600	AC	1	n/a	85	L-N L-G N-G	- - -	5980 2990 2990	690 690 690	n/a n/a n/a	20	n/a	1
<b>SP690/3P</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-G	- -	5980 2990	1000 690	n/a n/a	20	n/a	1
<b>SP690/4P</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-N L-G N-G	- - - -	5980 5980 2990 2990	1000 690 690 690	n/a n/a n/a n/a	20	n/a	1
<b>SPD150</b>	4CA	120	AC	1	n/a	85	Ld-Ld	-	1560	150	n/a	20	n/a	1
<b>SPD180</b>	4CA	120	AC	1	n/a	85	Ld-Ld	-	1570	180	n/a	20	n/a	1
<b>SPD275</b>	4CA	240	AC	1	n/a	85	Ld-Ld	-	1830	275	n/a	20	n/a	1
<b>SPD320</b>	4CA	277	AC	1	n/a	85	Ld-Ld	-	1890	320	n/a	20	n/a	1
<b>SPD420</b>	4CA	347	AC	1	n/a	85	Ld-Ld	-	2180	420	n/a	20	n/a	1
<b>SPD550</b>	4CA	480	AC	1	n/a	85	Ld-Ld	-	2550	550	n/a	20	n/a	1
<b>SPD690</b>	4CA	600	AC	1	n/a	85	Ld-Ld	-	2990	690	n/a	20	n/a	1
<b>SPV1000-V-CD(-S)</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-G	- -	4360 2180	840 420	n/a n/a	20	n/a	1
<b>SPV1200-V-CD(-S)</b>	4CA	600/347	AC	3Y	n/a	85	L-L L-G	- -	5240 2550	1000 550	n/a n/a	20	n/a	1
<b>SPV500-V-C(-)</b>	4CA	347	AC	1	n/a	85	L-N	-	4360	420	n/a	20	n/a	1




<b>S)</b>							L-G N-G	- -	2180 2180	420 420	n/a n/a			
<b>SPV600-V-C(-S)</b>	4CA	480	AC	1	n/a	85	L-N L-G N-G	- - -	5100 2550 2550	1000 550 550	n/a n/a n/a	20	n/a	1
<b>SPV600-V-CD(-S)</b>	4CA	415/240	AC	3Y	n/a	85	L-L L-G	- -	3660 1830	550 275	n/a n/a	20	n/a	1
<b>SPV750-V-CD(-S)</b>	4CA	480/277	AC	3Y	n/a	85	L-L L-G	- -	3780 1890	640 320	n/a n/a	20	n/a	1

**Notes:**

1. Suitable for Factory wiring only.
2. Suitable for Field and Factory wiring.
3. Series External Impedance required, see Electrical Ratings in the Recognition report.
4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.
5. Body of discrete component metal-oxide varistors (MOVs) flammability:
  - a) Min. V-0 or VTM-0.
  - b) Min. V-1 or VTM-1.
  - c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.
  - d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

BD - Where BD denotes bare disk.

Marking: Company name or trademark  ,  , **PROSURGE** , **HIT** , model designation and the Recognized Component Mark,  on the product or on the smallest unit container in which the product is packaged.  
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