

## CROSS REFERENCE PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
1SMA5.0AT3 ↓ 1SMA78AT3 1SMB5.0AT3 ↓ 1SMB170AT3 1SMB5.0CAT3 ↓ 1SMB78CAT3 1SMC5.0AT3 ↓ 1SMC78AT3 1.0KE5.0,A ↓ 1.0KE170P,A 1.0KE5.0C,CA ↓ 1.0KE170C,CA 1.2KE5.0,A ↓ 1.2KE170,A 1.2KE5.0C,CA ↓ 1.2KE170C,CA 1.4KESD6.0,A ↓ 1.4KESD160,A 1.4KESD6.0C,CA ↓ 1.4KESD160C,CA 1.5K11,A ↓ 1.5K200,A 1.5KA6.8,A ↓ 1.5KA43,A 1.5KA6.8C,CA ↓ 1.5KA43C,CA 1.5KE6.8,A ↓ 1.5KE440,A 1.5KE6.8C,CA ↓ 1.5KE440C,CA 1.5SE6.8,A ↓ 1.5SE400,A	SMA4T5.0 ↓ SMA4T85 <a href="#">SM6T6V8A</a> ↓ <a href="#">SM6T200A</a> <a href="#">SM6T6V8CA</a> ↓ <a href="#">SM6T100CA</a> <a href="#">SM15T6V8A</a> ↓ <a href="#">SM15T100A</a> 1.5KE6V8P,A ↓ 1.5KE200P,A 1.5KE6V8CP,A ↓ 1.5KE200CP,CA 1.5KE6V8P,A ↓ 1.5KE200P,A 1.5KE6V8CP,CA ↓ 1.5KE200CP,CA <a href="#">BZW04-5V8</a> ↓ BZW04-171 BZW04-5V8B ↓ BZW04-171B 1.5KE11P,A ↓ 1.5KE200P,A 1.5KE6V8P,A ↓ 1.5KE43P,A 1.5KE6V8CP,CA ↓ 1.5KE43CP,CA 1.5KE6V8P,A ↓ 1.5KE440P,A 1.5KE6V8CP,CA ↓ 1.5KE440CP,CA 1.5KE6V8P,A ↓ 1.5KE400P,A		1.5SE6.8C,CA ↓ 1.5SE400C,CA 1.5SMC6.8AT3 ↓ 1.5SMC91AT3 3A120 3A133 3A138 3A139 3A140 3A143 3A249 3A258 5KP10,A ↓ 5KP110,A 5KP10C,CA ↓ 5KP110C,CA 6KA24 6KZ100,A 14KESD6.0,A ↓ 14KESD160,A 14KESD6.0C,CA ↓ 14KESD160C,CA 704-34A 704-45A 704-56A 704-190A BR210-140 BR210-160 BR210-180 BR210-200 BR210-220 BR210-240 BR210-260 BR210-280 BR211-100 BR211-120 BR211-140 BR211-160 BR211-180 BR211-200 BR211-220 BR211-240	1.5KE6V8CP,CA ↓ 1.5KE400CP,CA <a href="#">SM15T6V8A</a> ↓ <a href="#">SM15T100A</a> TPB91A18 TPB180A18 TPB62B18 TPB75B18 TPB120B18 TPB200B18 <a href="#">THDT58S</a> <a href="#">THDT58S</a> <a href="#">BZW50-10</a> ↓ <a href="#">BZW50-100</a> <a href="#">BZW50-10B</a> ↓ BZW50-100B <a href="#">LDP24AS</a> <a href="#">BZW50-100</a> <a href="#">BZW04-5V8</a> ↓ BZW04-171 BZW04-5V8B ↓ BZW04-171B  <a href="#">1.5KE36A</a> <a href="#">1.5KE47A</a> <a href="#">1.5KE56A</a> <a href="#">1.5KE200A</a>  TPB130B18 TPB150B18 TPB160B18 TPB180B18 TPB200B18 TPB220B18 TPB240B18 TPB270B18 TPA91B18 TPA110B18 TPA130B18 TPA150B18 TPA160B18 TPA180B18 TPA200B18 TPA220B18	

## PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
BR211-260	TPA240B18		BZW03-C160		<a href="#">BZW04-136</a>
BR211-280	TPA270B18		BZW03-C180		<a href="#">BZW04-154</a>
BR220-100	2*TPB91B18		BZW03-C200		<a href="#">BZW04-171</a>
BR220-120	2*TPB110B18		BZW03-C220		<a href="#">BZW04-188</a>
BR220-140	2*TPB130B18		BZW03-C240		<a href="#">BZW04-213</a>
BR220-160	2*TPB150B18		BZW03-C270		<a href="#">BZW04-239</a>
BR220-180	2*TPB160B18		BZW04-5V8,B	BZW04-5V8,B	
BR220-200	2*TPB180B18		↓	↓	
BR220-220	2*TPB200B18		BZW04-376,B	BZW04-376,B	
BR220-240	2*TPB220B18		BZW04P5V8,B	BZW04P5V8,B	
BR220-260	<a href="#">THBT200S</a>		↓	↓	
BR220-280	2*TPB270B18		BZW04P376,B	BZW04P376,B	
BZA100	<a href="#">ESDA6V1S3</a>		BZW06-5V8,B	BZW06-5V8,B	
BZD23C300		<a href="#">BZW04-342</a>	↓	↓	
BZD23C360		<a href="#">BZW04-376</a>	BZW06-376,B	BZW06-376,B	
BZG04xx	SMA4Txx		BZW06P5V8,B	BZW06P5V8,B	
BZM85Cxx		SM2Zxx	↓	↓	
BZT23C300		<a href="#">BZW04-342</a>	BZW06P376,B	BZW06P376,B	
BZT23C360		<a href="#">BZW04-376</a>	BZW50-8V2,B	BZW50-8V2,B	
BZW03-C7V5		<a href="#">BZW04-6V4</a>	↓	↓	
BZW03-C8V2		<a href="#">BZW04-7V0</a>	BZW50-180,B	BZW50-180,B	
BZW03-C9V1		<a href="#">BZW04-7V8</a>	CLP200M	CLP200M	
BZW03-C10		<a href="#">BZW04-8V5</a>	CP2009	1.5KE9V1CP	
BZW03-C11		<a href="#">BZW04-9V4</a>	↓	↓	
BZW03-C12		<a href="#">BZW04-10</a>	CP2440	1.5KE440CP	
BZW03-C13		<a href="#">BZW04-11</a>	CP2009A	1.5KE9V1CA	
BZW03-C15		<a href="#">BZW04-13</a>	↓	↓	
BZW03-C16		<a href="#">BZW04-14</a>	CP2440A	<a href="#">1.5KE440CA</a>	
BZW03-C18		<a href="#">BZW04-15</a>	CP3012	<a href="#">BZW50-10B</a>	
BZW03-C20		BZW04-17	↓	↓	
BZW03-C22		<a href="#">BZW04-19</a>	CP3220	BZW50-100B	
BZW03-C24		<a href="#">BZW04-20</a>	<a href="#">DA108S1</a>	<a href="#">DA108S1</a>	
BZW03-C27		<a href="#">BZW04-23</a>	<a href="#">DA112S1</a>	<a href="#">DA112S1</a>	
BZW03-C30		<a href="#">BZW04-26</a>	<a href="#">DDP6V8</a>	<a href="#">DDP6V8</a>	
BZW03-C33		<a href="#">BZW04-28</a>	DFP012	<a href="#">BZW50-10B</a>	
BZW03-C36		<a href="#">BZW04-31</a>	↓	↓	
BZW03-C39		<a href="#">BZW04-33</a>	DFP230	BZW50-180B	
BZW03-C43		<a href="#">BZW04-37</a>	DLTS-5,A		ITA6V1M3
BZW03-C47		BZW04-40	DLZ5,A		ITA6V1U3
BZW03-C51		BZW04-44	EPS5	<a href="#">1.5KE6V8A</a>	
BZW03-C56		<a href="#">BZW04-48</a>	EPS12	<a href="#">1.5KE15A</a>	
BZW03-C62		BZW04-53	EPS15	<a href="#">1.5KE18A</a>	
BZW03-C68		<a href="#">BZW04-58</a>	EPS17	<a href="#">1.5KE20A</a>	
BZW03-C75		<a href="#">BZW04-64</a>	EPS24	<a href="#">1.5KE30A</a>	
BZW03-C82		<a href="#">BZW04-70</a>	EPS28	<a href="#">1.5KE33A</a>	
BZW03-C91		<a href="#">BZW04-78</a>	EPS33	<a href="#">1.5KE39A</a>	
BZW03-C100		<a href="#">BZW04-85</a>	EPS48	<a href="#">1.5KE56A</a>	
BZW03-C110		BZW04-94	ESDA6V1C	ESDA6V1C	
BZW03-C120		BZW04-102	ESDA6V1L	ESDA6V1L	
BZW03-C130		<a href="#">BZW04-111</a>	<a href="#">ESDA6V1S3</a>	<a href="#">ESDA6V1S3</a>	
BZW03-C150		<a href="#">BZW04-128</a>	ESDA6V1SC	ESDA6V1SC	

# PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
ESDA6V1U1 ESDA6V2S6 ESDA25B1 ESDA25B5 ESDA25DB3 F1N6102,A ↓ F1N6137,A F1N6138,A ↓ F1N6173,A FP1006,A ↓ FP1275,A FP2006,A ↓ FP2275,A FP3012,A ↓ FP3180,A FX1N6102,A ↓ FX1N6137,A FX1N6138,A ↓ FX1N6173,A HSMCG5.0,A ↓ HSMCG170,A HSMCG5.0C,CA ↓ HSMCG170C,CA HSMCJ5.0,A ↓ HSMCJ170,A HSMCJ5.0C,CA ↓ HSMCJ170C,CA ICT-5 ICT-8,C ICT-45,C ICTE-5 ICTE-8,C ICTE-45,C ITA6V1U1 ITA6V1U3 ITA6V1M3 ITA6V5B1 ITA10B1 ITA10B3	ESDA6V1U1 ESDA6V2S6 ESDA25B1 ESDA25B5 ESDA25DB3 P6KE6V8CP,CA ↓ P6KE180CP,CA 1.5KE6V8CP,CA ↓ 1.5KE180CP,CA P6KE6V8CP,CA ↓ P6KE280CP,CA 1.5KE6V8CP,CA ↓ 1.5KE280CP,CA BZW50-10B ↓ BZW50-180B P6KE6V8CP,CA ↓ P6KE180CP,CA 1.5KE6V8CP,CA ↓ 1.5KE180CP,CA SM15T6V8,A ↓ SM15T200,A SM15T6V8C,CA ↓ SM15T200C,CA 1N5908 1.5KE10A,CA 1.5KE56A,CA 1N5908 1.5KE10A,CA 1.5KE56A,CA ITA6V1U1 ITA6V1U3 ITA6V1M3 ITA6V5B1 ITA10B1 ITA10B3		ITA18B1 ITA18B3 ITA25B1 ITA25B3 KL3L07 KL3N14 KL3R20 KP4L07 KP4L08 KP4N12 KP4N14 KP4R25 KP10L07 KP10L08 KP10N12 KP10N14 KP10R25 KP10R29 KW4R20 L2B6V8 L2B7V5,C ↓ L2B400,C L2C6V8 L2C7V5,C ↓ L2C400,C L4A6.8,C ↓ L4A200,C L4B6.8,C ↓ L4B200,C L4C6.8,C ↓ L4C200,C L4D6.8,C ↓ L4D200,C L4H6.8,C ↓ L4H200,C L8B6V8,C ↓ L8B400,C L8B7V5L ↓ L8B170L L8C6V8,C ↓	ITA18B1 ITA18B3 ITA25B1 ITA25B3 SMTPA62 SMTPA120 SMTPA200 SMTPB62 SMTPB68 SMTPB120 SMTPB130 SMTPB220 SMTPB62 SMTPB68 SMTPB120 SMTPB130 SMTPB220 SMTPB270 TSI200B1 P6KE6V8P P6KE7V5P,CP ↓ P6KE400P,CP P6KE6V8A P6KE7V5A,CA ↓ P6KE400A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA 1.5KE6V8A,CA ↓ 1.5KE400A,CA 1.5KE9V1A ↓ 1.5KE200A 1.5KE6V8A,CA ↓	



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INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
P4KE160,C	BZW04P136,B		P4KE400A,CA	BZW04-342,B	
P4KE170,C	BZW04P145,B		P4802AB	2*TPB200B18	
P4KE180,C	BZW04P154,B		P5KE5.0,A	P6KE6V8P,A	
P4KE200,C	BZW04P171,B		P5KE6.0,A	P6KE6V8P,A	
P4KE220,C	BZW04P188,B		P5KE6.5,A	P6KE7V5P,A	
P4KE250,C	BZW04P213,B		P5KE7.0,A	P6KE8V2P,A	
P4KE300,C	BZW04P256,B		P5KE7.5,A	P6KE9V1P,A	
P4KE350,C	BZW04P299,B		P5KE8.0,A	P6KE9V1P,A	
P4KE400,C	BZW04P342,B		P5KE8.5,A	P6KE10P,A	
P4KE6.8A,CA	BZW04-5V8,B		P5KE9.0,A	P6KE11P,A	
P4KE7.5A,CA	BZW04-6V4,B		P5KE10,A	P6KE12P,A	
P4KE8.2A,CA	BZW04-7V0,B		P5KE11,A	P6KE13P,A	
P4KE9.1A,CA	BZW04-7V8,B		P5KE12,A	P6KE15P,A	
P4KE10A,CA	BZW04-8V5,B		P5KE13,A	P6KE15P,A	
P4KE11A,CA	BZW04-9V4,B		P5KE14,A	P6KE16P,A	
P4KE12A,CA	BZW04-10,B		P5KE15,A	P6KE18P,A	
P4KE13A,CA	BZW04-11,B		P5KE16,A	P6KE18P,A	
P4KE15A,CA	BZW04-13,B		P5KE17,A	P6KE20P,A	
P4KE16A,CA	BZW04-14,B		P5KE18,A	P6KE22P,A	
P4KE18A,CA	BZW04-15,B		P5KE20,A	P6KE25P,A	
P4KE20A,CA	BZW04-17,B		P5KE22,A	P6KE27P,A	
P4KE22A,CA	BZW04-19,B		P5KE24,A	P6KE27P,A	
P4KE24A,CA	BZW04-20,B		P5KE26,A	P6KE30P,A	
P4KE27A,CA	BZW04-23,B		P5KE28,A	P6KE33P,A	
P4KE30A,CA	BZW04-26,B		P5KE30,A	P6KE36P,A	
P4KE33A,CA	BZW04-28,B		P5KE33,A	P6KE39P,A	
P4KE36A,CA	BZW04-31,B		P5KE36,A	P6KE43P,A	
P4KE39A,CA	BZW04-33,B		P5KE40,A	P6KE47P,A	
P4KE43A,CA	BZW04-37,B		P5KE43,A	P6KE51P,A	
P4KE47A,CA	BZW04-40,B		P5KE45,A	P6KE51P,A	
P4KE51A,CA	BZW04-44,B		P5KE48,A	P6KE56P,A	
P4KE56A,CA	BZW04-48,B		P5KE51,A	P6KE62P,A	
P4KE62A,CA	BZW04-53,B		P5KE54,A	P6KE62P,A	
P4KE68A,CA	BZW04-58,B		P5KE58,A	P6KE68P,A	
P4KE75A,CA	BZW04-64,B		P5KE60,A	P6KE68P,A	
P4KE82A,CA	BZW04-70,B		P5KE64,A	P6KE75P,A	
P4KE91A,CA	BZW04-78,B		P5KE70,A	P6KE82P,A	
P4KE100A,CA	BZW04-85,B		P5KE75,A	P6KE91P,A	
P4KE110A,CA	BZW04-94,B		P5KE78,A	P6KE91P,A	
P4KE120A,CA	BZW04-102,B		P5KE85,A	P6KE100P,A	
P4KE130A,CA	BZW04-111,B		P5KE90,A	P6KE110P,A	
P4KE150A,CA	BZW04-128,B		P5KE100,A	P6KE120P,A	
P4KE160A,CA	BZW04-136,B		P5KE110,A	P6KE130P,A	
P4KE170A,CA	BZW04-145,B		P5KE120,A	P6KE150P,A	
P4KE180A,CA	BZW04-154,B		P5KE130,A	P6KE150P,A	
P4KE200A,CA	BZW04-171,B		P5KE150,A	P6KE180P,A	
P4KE220A,CA	BZW04-188,B		P5KE160,A	P6KE180P,A	
P4KE250A,CA	BZW04-213,B		P5KE170,A	P6KE200P,A	
P4KE300A,CA	BZW04-256,B		P5KE5.0C,CA	P6KE6V8CP,CA	
P4KE350A,CA	BZW04-299,B		P5KE6.0C,CA	P6KE6V8CP,CA	

## PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
P5KE6.5C,CA P5KE7.0C,CA P5KE7.5C,CA P5KE8.0C,CA P5KE8.5C,CA P5KE9.0C,CA P5KE10C,CA P5KE11C,CA P5KE12C,CA P5KE13C,CA P5KE14C,CA P5KE15C,CA P5KE16C,CA P5KE17C,CA P5KE18C,CA P5KE20C,CA P5KE22C,CA P5KE24C,CA P5KE26C,CA P5KE28C,CA P5KE30C,CA P5KE33C,CA P5KE36C,CA P5KE40C,CA P5KE43C,CA P5KE45C,CA P5KE48C,CA P5KE51C,CA P5KE54C,CA P5KE58C,CA P5KE60C,CA P5KE64C,CA P5KE70C,CA P5KE75C,CA P5KE78C,CA P5KE85C,CA P5KE90C,CA P5KE100C,CA P5KE110C,CA P5KE120C,CA P5KE130C,CA P5KE150C,CA P5KE160C,CA P5KE170C,CA P6002AB P6KA6.8,A ↓ P6KA43,A P6KA6.8C,CA ↓	P6KE7V5CP,CA P6KE8V2CP,CA P6KE9V1CP,CA P6KE9V1CP,CA P6KE10CP,CA P6KE11CP,CA P6KE12CP,CA P6KE13CP,CA P6KE15CP,CA P6KE15CP,CA P6KE16CP,CA P6KE18CP,CA P6KE18CP,CA P6KE20CP,CA P6KE22CP,CA P6KE25CP,CA P6KE27CP,CA P6KE27CP,CA P6KE30CP,CA P6KE33CP,CA P6KE36CP,CA P6KE39CP,CA P6KE43CP,CA P6KE47CP,CA P6KE51CP,CA P6KE51CP,CA P6KE56CP,CA P6KE62CP,CA P6KE62CP,CA P6KE68CP,CA P6KE68CP,CA P6KE75CP,CA P6KE82CP,CA P6KE91CP,CA P6KE91CP,CA P6KE100CP,CA P6KE110CP,CA P6KE120CP,CA P6KE130CP,CA P6KE150CP,CA P6KE150CP,CA P6KE180CP,CA P6KE180CP,CA P6KE200CP,CA 2* TPB240A18 P6KE6V8P,A ↓ P6KE43P,A P6KE6V8CP,CA ↓		P6KA43C,CA P6KE6V8,A ↓ P6KE440,A P6KE6V8C,CA ↓ P6KE440C,CA P6SE6.8,A ↓ P6SE200,A P6SE6V8C,CA ↓ P6SE200C,CA P6SMB6.8AT3 ↓ P6SMB200AT3 P6SMB11CAT3 ↓ P6SMB91CAT3 P7KE10,C P7KE25,C P7KE43,C P7KE100,C P-P6KE6.8,A ↓ P-P6KE200,A P-P6KE6.8C,CA ↓ P-P6KE200C,CA R5KP10,A ↓ R5KP110,A R5KP10C,CA ↓ R5KP110C,CA RBO08-40M <a href="#">RBO08-40T</a> <a href="#">RBO40-40M</a> <a href="#">RBO40-40T</a> RCD16-47B <a href="#">RCD16-47B6</a> SA5.0,A SA6.0,A SA6.5,A SA7.0,A SA7.5,A SA8.0,A SA8.5,A SA9.0,A SA10,A	P6KE43CP,CA P6KE6V8P,A ↓ P6KE440P,A P6KE6V8CP,CA ↓ P6KE440CP,CA P6KE6V8P,A ↓ P6KE200P,A P6KE6V8CP,CA ↓ P6KE440CP,CA <a href="#">SM6T6V8A</a> ↓ <a href="#">SM6T200A</a> <a href="#">SM6T12CA</a> ↓ <a href="#">SM6T100CA</a> P6KE10P,CP P6KE30P,CP P6KE50P,CP P6KE120P,CP P6KE6V8P,A ↓ P6KE200P,A P6KE6V8CP,CA ↓ P6KE200CP,CA  RBO08-40M <a href="#">RBO08-40T</a> <a href="#">RBO40-40M</a> <a href="#">RBO40-40T</a> RCD16-47B <a href="#">RCD16-47B6</a> P6KE6V8P,A P6KE6V8P,A P6KE7V5P,A P6KE8V2P,A P6KE9V1P,A P6KE9V1P,A P6KE10P,A P6KE11P,A P6KE12P,A	<a href="#">BZW50-10</a> ↓ <a href="#">BZW50-120</a> <a href="#">BZW50-10B</a> ↓ BZW50-120B

## PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
SA11,A	P6KE13P,A		SA15C,CA	P6KE18CP,CA	
SA12,A	P6KE15P,A		SA16C,CA	P6KE18CP,CA	
SA13,A	P6KE15P,A		SA17C,CA	P6KE20CP,CA	
SA14,A	P6KE16P,A		SA18C,CA	P6KE22CP,CA	
SA15,A	P6KE18P,A		SA20C,CA	P6KE25CP,CA	
SA16,A	P6KE18P,A		SA22C,CA	P6KE27CP,CA	
SA17,A	P6KE20P,A		SA24C,CA	P6KE27CP,CA	
SA18,A	P6KE22P,A		SA26C,CA	P6KE30CP,CA	
SA20,A	P6KE25P,A		SA28C,CA	P6KE33CP,CA	
SA22,A	P6KE27P,A		SA30C,CA	P6KE36CP,CA	
SA24,A	P6KE27P,A		SA33C,CA	P6KE39CP,CA	
SA26,A	P6KE30P,A		SA36C,CA	P6KE43CP,CA	
SA28,A	P6KE33P,A		SA40C,CA	P6KE47CP,CA	
SA30,A	P6KE36P,A		SA43C,CA	P6KE51CP,CA	
SA33,A	P6KE39P,A		SA45C,CA	P6KE51CP,CA	
SA36,A	P6KE43P,A		SA48C,CA	P6KE56CP,CA	
SA40,A	P6KE47P,A		SA51C,CA	P6KE62CP,CA	
SA43,A	P6KE51P,A		SA54C,CA	P6KE62CP,CA	
SA45,A	P6KE51P,A		SA58C,CA	P6KE68CP,CA	
SA48,A	P6KE56P,A		SA60C,CA	P6KE68CP,CA	
SA51,A	P6KE62P,A		SA64C,CA	P6KE75CP,CA	
SA54,A	P6KE62P,A		SA70C,CA	P6KE82CP,CA	
SA58,A	P6KE68P,A		SA75C,CA	P6KE91CP,CA	
SA60,A	P6KE68P,A		SA78C,CA	P6KE91CP,CA	
SA64,A	P6KE75P,A		SA85C,CA	P6KE100CP,CA	
SA70,A	P6KE82P,A		SA90C,CA	P6KE110CP,CA	
SA75,A	P6KE91P,A		SA100C,CA	P6KE120CP,CA	
SA78,A	P6KE91P,A		SA110C,CA	P6KE130CP,CA	
SA85,A	P6KE100P,A		SA120C,CA	P6KE150CP,CA	
SA90,A	P6KE110P,A		SA130C,CA	P6KE150CP,CA	
SA100,A	P6KE120P,A		SA150C,CA	P6KE180CP,CA	
SA110,A	P6KE130P,A		SA160C,CA	P6KE180CP,CA	
SA120,A	P6KE150P,A		SA170C,CA	P6KE200CP,CA	
SA130,A	P6KE150P,A		<a href="#">SA100-230</a>	<a href="#">SA100-230</a>	
SA150,A	P6KE180P,A		SA100-265	SA100-265	
SA160,A	P6KE180P,A		SAB5.0	<a href="#">P6KE6V8A</a>	
SA170,A	P6KE200P,A		SAB10	<a href="#">P6KE12A</a>	
SA5.1C,CA	P6KE6V8CP,CA		SAB12	<a href="#">P6KE15A</a>	
SA6.0C,CA	P6KE6V8CP,CA		SAB15	<a href="#">P6KE18A</a>	
SA6.5C,CA	P6KE7V5CP,CA		SAB18	<a href="#">P6KE22A</a>	
SA7.0C,CA	P6KE8V2CP,CA		SAB24	<a href="#">P6KE27A</a>	
SA7.5C,CA	P6KE9V1CP,CA		SAB28	<a href="#">P6KE30A</a>	
SA8.0C,CA	P6KE9V1CP,CA		SBL10,C	P6KE10P,CP	
SA8.5C,CA	P6KE10CP,CA		SBL25,C	P6KE30P,CP	
SA9.0C,CA	P6KE11CP,CA		SBL43,C	P6KE50P,CP	
SA10C,CA	P6KE12CP,CA		SBL100,C	P6KE120P,CP	
SA11C,CA	P6KE13CP,CA		SGT06U13	TPB62A12	
SA12C,CA	P6KE15CP,CA		SGT23B13	TPB220B18	
SA13C,CA	P6KE15CP,CA		SGT23U13	TPB220B18	
SA14C,CA	P6KE16CP,CA		SGT27B13	TPB270B18	

## PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
SICT-5 SICT-8,C SICT-45,C SICTE-5 SICTE-8,C SICTE-45,C SLC6.5,A SLC170,A SLCE6.5,A SLCE170,A SM05 <a href="#">SM5908</a> SM4T6V8A,CA ↓ SM4T220A,CA SM6T6V8A,CA ↓ SM6T220A,CA SM15T6V8A,CA ↓ SM15T220A,CA SMAJ5.0A ↓ SMAJ170A SMAJ5.0CA ↓ SMAJ24C SMBG5.0,A ↓ SMBG170,A SMBG5.0C,CA ↓ SMBG170C,CA SMBJ6.0,A SMBJ6.5,A SMBJ8.5,A SMBJ10,A SMBJ13,A SMBJ16,A SMBJ24,A SMBJ26,A SMBJ28,A SMBJ33,A SMBJ58,A SMBJ60,A SMBJ85,A SMBJ130,A SMBJ170,A SMBJ6.5C,CA SMBJ8.5C,CA	<a href="#">1N5908</a> 1.5KE10A,CA 1.5KE56A,CA  <a href="#">1N5908</a> 1.5KE10A,CA 1.5KE56A,CA  ESDA6V1L <a href="#">SM5908</a> SM4T6V8A,CA ↓ SM4T220A,CA SM6T6V8A,CA ↓ SM6T220A,CA SM15T6V8A,CA ↓ SM15T220A,CA SMA4T5.0 ↓ SMA4T170 SMA4T5.0B ↓ SMA4T24B	<a href="#">1N5908</a> 1.5KE10A,CA 1.5KE56A,CA   1.5KE7V5P,A 1.5KE200P,A 1.5KE7V5P,A 1.5KE200P,A   <			



## PROTECTION DEVICES

[illegible]

## PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
TISP4082F3SL		TPB62A12/18	TPSMA6.8,A	SMA4T6V8,A	
TISP4125F3D		<a href="#">SMTPA100</a>	↓	↓	
TISP4125F3SL		TPA100A12 /18	TPSMA39,A	SMA4T39,A	
TISP4150F3D		<a href="#">SMTPA120</a>	TPSMC6.8,A		SM15T6V8,A
TISP4150F3SL		TPA120A12 /18	↓		↓
TISP4180F3D		<a href="#">SMTPA130</a>	TPSMC39,A		SM15T39,A
TISP4180F3SL		TPA150A12/18	TPSMC6.8C,CA		SM15T6V8C,CA
TISP4240F3D		<a href="#">SMTPA180</a>	↓		↓
TISP4240F3SL		TPA180A12 /18	TPSMC39C,CA		SM15T39C,CA
TISP4260F3D		<a href="#">SMTPA200</a>	TSMB6.8,A	SM6T6V8,A	
TISP4260F3SL		TPA200A12 /18	↓	↓	
TISP4290F3D		<a href="#">SMTPA220</a>	TSMB200,A	SM6T200,A	
TISP4290F3SL		TPA220A12 /18	TSMB6.8C,CA	SM6T6V8C,CA	
TISP4320F3D		<a href="#">SMTPA240</a>	↓	↓	
TISP4320F3SL		TPA240A12 /18	TSMB200C,CA	SM6T200C,CA	
TISP4380F3D		<a href="#">SMTPA270</a>	TSMC6.8,A	SM15T6V8,A	
TISP4380F3SL		TPA270A12 /18	↓	↓	
TISP7125F3D		<a href="#">TPI8011N</a>	TSMC200,A	SM15T200,A	
TISP7125F3P		<a href="#">TPI8012N</a>	TSMC6.8C,CA	SM15T6V8C,CA	
TISP7180F3D		<a href="#">TPI12011N</a>	↓	↓	
TISP7180F3P		<a href="#">TPI12012N</a>	TSMC200C,CA	SM15T200C,CA	
TISP7240F3D		<a href="#">THBT15011D</a>	<a href="#">TPU58</a>	<a href="#">TPU58</a>	
TISP7240F3P		<a href="#">THBT15012D</a>	<a href="#">TPU80</a>	<a href="#">TPU80</a>	
TISP7260F3D		THBT20011D	<a href="#">TPU120</a>	<a href="#">TPU120</a>	
TISP7260F3P		THBT20012D	TSI62B1	TSI62B1	
TISP7290F3D		THBT20011D	TSI180B1	TSI180B1	
TISP7290F3P		THBT20012D	TSI200B1	TSI200B1	
TISP7320F3D		THBT27011D	TSI270B1	TSI270B1	
TISP7320F3P		THBT27012D	TSI62B5	TSI62B5	
TISP7380F3D		THBT27011D	TSI120B5	TSI120B5	
TISP7380F3P		THBT27012D	TSI150B5	TSI150B5	
TISP61CAP3P	<a href="#">LCP1512D</a>	<a href="#">LCP150S</a>	TSI180B5	TSI180B5	
TMPG06-6.8,A	<a href="#">BZW04-5V8</a>		TSI200B5	TSI200B5	
TMPG06-43,A	<a href="#">BZW04-37</a>		TSI270B5	TSI270B5	
TPA62A12,A18	TPA62A12,A18		TSMA6.8,A	SMA4T6V8	
TPA270A12,A18	TPA270A12,A18		TSMA200,A	SMA4T200	
TPA62B12,B18	TPA62B12,B18		TTS144	TTS144	
TPA270B12,B18	TPA270B12,B18		TVS505	<a href="#">BZW04-5V8</a>	
TPB62A12,A18	TP62A12,A18		TVS528	<a href="#">BZW04-28</a>	
TPB270A12,A18	TPB270A12,A18		TZB6.8A	<a href="#">BZW04P5V8</a>	
TPB62B12,B18	TPB62B12,B18		↓	↓	
TPB270B12,B18	TPB270B12,B18		TZB400A	<a href="#">BZW04P342</a>	
<a href="#">TPI8011N</a>	<a href="#">TPI8011N</a>		TZB6.8B	<a href="#">BZW04-5V8</a>	
<a href="#">TPI8012N</a>	<a href="#">TPI8012N</a>		↓	↓	
<a href="#">TPI12011N</a>	<a href="#">TPI12011N</a>		TZB400B	<a href="#">BZW04-342</a>	
<a href="#">TPI12012N</a>	<a href="#">TPI12012N</a>		TZB6.8CA	BZW04P5V8B	
<a href="#">TPN3021</a>	<a href="#">TPN3021</a>		↓	↓	
<a href="#">TPP25011</a>	<a href="#">TPP25011</a>		TZB400CA	BZW04P342B	
<a href="#">TPP25012</a>	<a href="#">TPP25012</a>		TZB6.8CB	BZW04-5V8B	
			↓	↓	

## PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
TZB400CB Z1015 ↓ Z1150 Z2008U,A ↓ Z2220U,A	BZW04-342B <a href="#">BZW04-13B</a> ↓ BZW04-136B P6KE8.2P,A ↓ P6KE220P,A	
Z2009,A ↓ Z2220,A ZD024 ZD068 ZP1006,A ↓ ZP1400,A ZP2006,A ↓ ZP2275,A ZP3012A ↓ ZP3200A ZP5027S ZP5028S ZP5030S ZZ-16 ZZ-36 ZZ-62 ZZ-160 ZZY-16 ZZY-36 ZZY-62 ZZY-160	P6KE9V1CP,CA ↓ P6KE220CP,CA <a href="#">BZW04-20B</a> <a href="#">BZW04-58B</a> P6KE6V8P,A ↓ P6KE400P,A 1.5KE6V8P,A ↓ 1.5KE400P,A <a href="#">BZW50-10</a> ↓ <a href="#">BZW50-180</a> <a href="#">LDP24AS</a> <a href="#">LDP24AS</a> <a href="#">LDP24AS</a> P6KE18P,CP P6KE36P,CP P6KE62P,CP P6KE160P,CP P6KE18P,CP P6KE36P,CP P6KE62P,CP P6KE160P,CP	<a href="#">LDP24M</a> <a href="#">LDP24M</a> <a href="#">LDP24M</a>