

## CROSS REFERENCE PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
1SMA5.0AT3	SMA4T5.0		1.5SE6.8C,CA	1.5KE6V8CP,CA	
↓	↓		↓	↓	
1SMA78AT3	SMA4T85		1.5SE400C,CA	1.5KE400CP,CA	
1SMB5.0AT3	SM6T6V8A		1.5SMC6.8AT3	SM15T6V8A	
↓	↓		↓	↓	
1SMB170AT3	SM6T200A		1.5SMC91AT3	SM15T100A	
1SMB5.0CAT3	SM6T6V8CA		3A120	TPB91A18	
↓	↓		3A133	TPB180A18	
1SMB78CAT3	SM6T100CA		3A138	TPB62B18	
1SMC5.0AT3	SM15T6V8A		3A139	TPB75B18	
↓	↓		3A140	TPB120B18	
1SMC78AT3	SM15T100A		3A143	TPB200B18	
1.0KE5.0,A	1.5KE6V8P,A		3A249	THDT58S	
↓	↓		3A258	THDT58S	
1.0KE170P,A	1.5KE200P,A		5KP10,A	BZW50-10	
1.0KE5.0C,CA	1.5KE6V8CP,A		↓	↓	
↓	↓		5KP110,A	BZW50-100	
1.0KE170C,CA	1.5KE200CP,CA		5KP10C,CA	BZW50-10B	
1.2KE5.0,A	1.5KE6V8P,A		↓	↓	
↓	↓		5KP110C,CA	BZW50-100B	
1.2KE170,A	1.5KE200P,A		6KA24	LDP24AS	LDP24M
1.2KE5.0C,CA	1.5KE6V8CP,CA		6KZ100,A	BZW50-100	
↓	↓		14KESD6.0,A	BZW04-5V8	
1.2KE170C,CA	1.5KE200CP,CA		↓	↓	
1.4KESD6.0,A	BZW04-5V8		14KESD160,A	BZW04-171	
↓	↓		14KESD6.0C,CA	BZW04-5V8B	
1.4KESD160,A	BZW04-171		↓	↓	
1.4KESD6.0C,CA	BZW04-5V8B		14KESD160C,CA	BZW04-171B	
↓	↓		704-34A		1.5KE36A
1.4KESD160C,CA	BZW04-171B		704-45A		1.5KE47A
1.5K11,A	1.5KE11P,A		704-56A		1.5KE56A
↓	↓		704-190A		1.5KE200A
1.5K200,A	1.5KE200P,A		BR210-140	TPB130B18	
1.5KA6.8,A	1.5KE6V8P,A		BR210-160	TPB150B18	
↓	↓		BR210-180	TPB160B18	
1.5KA43,A	1.5KE43P,A		BR210-200	TPB180B18	
1.5KA6.8C,CA	1.5KE6V8CP,CA		BR210-220	TPB200B18	
↓	↓		BR210-240	TPB220B18	
1.5KA43C,CA	1.5KE43CP,CA		BR210-260	TPB240B18	
1.5KE6.8,A	1.5KE6V8P,A		BR210-280	TPB270B18	
↓	↓		BR211-100	TPA91B18	
1.5KE440,A	1.5KE440P,A		BR211-120	TPA110B18	
1.5KE6.8C,CA	1.5KE6V8CP,CA		BR211-140	TPA130B18	
↓	↓		BR211-160	TPA150B18	
1.5KE440C,CA	1.5KE440CP,CA		BR211-180	TPA160B18	
1.5SE6.8,A	1.5KE6V8P,A		BR211-200	TPA180B18	
↓	↓		BR211-220	TPA200B18	
1.5SE400,A	1.5KE400P,A		BR211-240	TPA220B18	

## PROTECTION DEVICES

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

**PROTECTION DEVICES**

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
ESDA6V1U1	ESDA6V1U1	
ESDA6V2S6	ESDA6V2S6	
ESDA25B1	ESDA25B1	
ESDA25B5	ESDA25B5	
ESDA25DB3	ESDA25DB3	
F1N6102,A	P6KE6V8CP,CA	
↓	↓	
F1N6137,A	P6KE180CP,CA	
F1N6138,A	1.5KE6V8CP,CA	
↓	↓	
F1N6173,A	1.5KE180CP,CA	
FP1006,A	P6KE6V8CP,CA	
↓	↓	
FP1275,A	P6KE280CP,CA	
FP2006,A	1.5KE6V8CP,CA	
↓	↓	
FP2275,A	1.5KE280CP,CA	
FP3012,A	BZW50-10B	
↓	↓	
FP3180,A	BZW50-180B	
FX1N6102,A	P6KE6V8CP,CA	
↓	↓	
FX1N6137,A	P6KE180CP,CA	
FX1N6138,A	1.5KE6V8CP,CA	
↓	↓	
FX1N6173,A	1.5KE180CP,CA	
HSMCG5.0,A		SM15T6V8,A
↓		↓
HSMCG170,A		SM15T200,A
HSMCG5.0C,CA		SM15T6V8C,CA
↓		↓
HSMCG170C,CA		SM15T200C,CA
HSMCJ5.0,A	SM15T6V8,A	
↓	↓	
HSMCJ170,A	SM15T200,A	
HSMCJ5.0C,CA	SM15T6V8C,CA	
↓	↓	
HSMCJ170C,CA	SM15T200C,CA	
ICT-5		1N5908
ICT-8,C		1.5KE10A,CA
ICT-45,C		1.5KE56A,CA
ICTE-5	1N5908	
ICTE-8,C	1.5KE10A,CA	
ICTE-45,C	1.5KE56A,CA	
ITA6V1U1	ITA6V1U1	
ITA6V1U3	ITA6V1U3	
ITA6V1M3	ITA6V1M3	
ITA6V5B1	ITA6V5B1	
ITA10B1	ITA10B1	
ITA10B3	ITA10B3	

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
ITA18B1	ITA18B1	
ITA18B3	ITA18B3	
ITA25B1	ITA25B1	
ITA25B3	ITA25B3	
KL3L07	SMTPA62	
KL3N14	SMTPA120	
KL3R20	SMTPA200	
KP4L07	SMTPB62	
KP4L08	SMTPB68	
KP4N12	SMTPB120	
KP4N14	SMTPB130	
KP4R25	SMTPB220	
KP10L07	SMTPB62	
KP10L08	SMTPB68	
KP10N12	SMTPB120	
KP10N14	SMTPB130	
KP10R25	SMTPB220	
KP10R29	SMTPB270	
KW4R20	TSI200B1	
L2B6V8	P6KE6V8P	
L2B7V5,C	P6KE7V5P,CP	
↓	↓	
L2B400,C	P6KE400P,CP	
L2C6V8	P6KE6V8A	
L2C7V5,C	P6KE7V5A,CA	
↓	↓	
L2C400,C	P6KE400A,CA	
L4A6.8,C	P6KE6V8A,CA	
↓	↓	
L4A200,C	P6KE200A,CA	
L4B6.8,C	P6KE6V8A,CA	
↓	↓	
L4B200,C	P6KE200A,CA	
L4C6.8,C	P6KE6V8A,CA	
↓	↓	
L4C200,C	P6KE200A,CA	
L4D6.8,C	P6KE6V8A,CA	
↓	↓	
L4D200,C	P6KE200A,CA	
L4H6.8,C	P6KE6V8A,CA	
↓	↓	
L4H200,C	P6KE200A,CA	
L8B6V8,C		1.5KE6V8A,CA
↓		↓
L8B400,C		1.5KE400A,CA
L8B7V5L		1.5KE9V1A
↓		↓
L8B170L		1.5KE200A
L8C6V8,C		1.5KE6V8A,CA
↓		↓

## PROTECTION DEVICES

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
L8C400,C		1.5KE400A,CA	P4KA9.1A,CA	BZW04-7V8,B	
L8C7V5L		1.5KE9V1A,CA	P4KA10A,CA	BZW04-8V5,B	
↓		↓	P4KA11A,CA	BZW04-9V4,B	
L8C170L		1.5KE200A,CA	P4KA12A,CA	BZW04-10,B	
L13B6V8,C		1.5KE6V8A,CA	P4KA13A,CA	BZW04-11,B	
↓		↓	P4KA15A,CA	BZW04-13,B	
L13B400,C		1.5KE400A,CA	P4KA16A,CA	BZW04-14,B	
L13B6V5L		1.5KE7V5A	P4KA18A,CA	BZW04-15,B	
↓		↓	P4KA20A,CA	BZW04-17,B	
L13B170L		1.5KE200A	P4KA22A,CA	BZW04-19,B	
L13C6V8		1.5KE6V8A	P4KA24A,CA	BZW04-20,B	
↓		↓	P4KA27A,CA	BZW04-23,B	
L13C220,C		1.5KE220A,CA	P4KA30A,CA	BZW04-26,B	
L13C7V0L		1.5KE8V2A	P4KA33A,CA	BZW04-28,B	
↓		↓	P4KA36A,CA	BZW04-31,B	
L13C170L		1.5KE200A	P4KA39A,CA	BZW04-33,B	
L3100B	L3100B		P4KA43A,CA	BZW04-37,B	
L3100B1	L3100B1		P4KE6.8,C	BZW04P5V8,B	
L3121B	L3121B		P4KE7.5,C	BZW04P6V4,B	
LC6.5,A		1.5KE7V5A	P4KE8.2,C	BZW04P7V0,B	
↓		↓	P4KE9.1,C	BZW04P7V8,B	
LC170,A		1.5KE200A	P4KE10,C	BZW04P8V5,B	
LCE6.5,A		1.5KE7V5P,A	P4KE11,C	BZW04P9V4,B	
↓		↓	P4KE12,C	BZW04P10,B	
LCE170,A		1.5KE200P,A	P4KE13,C	BZW04P11,B	
LCP150S	LCP150S		P4KE15,C	BZW04P13,B	
LCP1511	LCP1511D		P4KE16,C	BZW04P14,B	
LCP1512	LCP1512D		P4KE18,C	BZW04P15,B	
LCP3121	LCP3121		P4KE20,C	BZW04P17,B	
LDP24AS	LDP24AS		P4KE22,C	BZW04P19,B	
LDP24M	LDP24M		P4KE24,C	BZW04P20,B	
LS5018B	LS5018B		P4KE27,C	BZW04P23,B	
LS5060B	LS5060B		P4KE30,C	BZW04P26,B	
LS5120B	LS5120B		P4KE33,C	BZW04P28,B	
MGSS150	LCP1511D		P4KE36,C	BZW04P31,B	
MMBZ6V2ALT1	ESDA6V1L		P4KE39,C	BZW04P33,B	
MMQA5V6T1	ESDA6V1SC		P4KE43,C	BZW04P37,B	
MPT-5		1N5908	P4KE47,C	BZW04P40,B	
MTP-8,C		1.5KE10A,CA	P4KE51,C	BZW04P44,B	
MTP-45,C		1.5KE56A,CA	P4KE56,C	BZW04P48,B	
MPTE-5	1N5908		P4KE62,C	BZW04P53,B	
MPTE-8,C		1.5KE10A,CA	P4KE68,C	BZW04P58,B	
MPTE-45,C		1.5KE56A,CA	P4KE75,C	BZW04P64,B	
MR2520L	BZW50-27	LDP24AS	P4KE82,C	BZW04P70,B	
MR2535L	BZW50-22		P4KE91,C	BZW04P78,B	
P0640EA70		TPB62A18	P4KE100,C	BZW04P85,B	
P0640SA		SMTPB62	P4KE110,C	BZW04P94,B	
P0720EA70		TPB68A18	P4KE120,C	BZW04P102,B	
P0720SA		SMTPB62	P4KE130,C	BZW04P111,B	
P0800EA70		TPB62A18	P4KE150,C	BZW04P128,B	

**PROTECTION DEVICES**

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

**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		SA100-230	SA100-230	
SA150,A	P6KE180P,A		SA100-265	SA100-265	
SA160,A	P6KE180P,A		SAB5.0	P6KE6V8A	
SA170,A	P6KE200P,A		SAB10	P6KE12A	
SA5.1C,CA	P6KE6V8CP,CA		SAB12	P6KE15A	
SA6.0C,CA	P6KE6V8CP,CA		SAB15	P6KE18A	
SA6.5C,CA	P6KE7V5CP,CA		SAB18	P6KE22A	
SA7.0C,CA	P6KE8V2CP,CA		SAB24	P6KE27A	
SA7.5C,CA	P6KE9V1CP,CA		SAB28	P6KE30A	
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		1N5908	SMBJ10C,CA	SM6T12C,CA	
SICT-8,C		1.5KE10A,CA	SMBJ24C,CA	SM6T27C,CA	
SICT-45,C		1.5KE56A,CA	SMBJ26C,CA	SM6T30C,CA	
SICTE-5	1N5908		SMBJ33C,CA	SM6T39C,CA	
SICTE-8,C	1.5KE10A,CA		SMBJ58C,CA	SM6T68C,CA	
SICTE-45,C	1.5KE56A,CA		SMBJ60C,CA	SM6T68C,CA	
SLC6.5,A		1.5KE7V5P,A	SMBJ85C,CA	SM6T100C,CA	
SLC170,A		1.5KE200P,A	SMBJ130C,CA	SM6T150C,CA	
SLCE6.5,A		1.5KE7V5P,A	SMBJ170C,CA	SM6T200C,CA	
SLCE170,A		1.5KE200P,A	SMCG5.0,A		SM15T6V8,A
SM05	ESDA6V1L		↓		↓
SM5908	SM5908		SMCG170,A		SM15T200,A
SM4T6V8A,CA	SM4T6V8A,CA		SMCG5.0C,CA		SM15T6V8C,CA
↓	↓		↓		↓
SM4T220A,CA	SM4T220A,CA		SMCG170C,CA		SM15T200C,CA
SM6T6V8A,CA	SM6T6V8A,CA		SMCJ6.0,A	SM15T6V8,A	
↓	↓		SMCJ6.5,A	SM15T7V5,A	
SM6T220A,CA	SM6T220A,CA		SMCJ8.5,A	SM15T10,A	
SM15T6V8A,CA	SM15T6V8A,CA		SMCJ10,A	SM15T12,A	
↓	↓		SMCJ13,A	SM15T15,A	
SM15T220A,CA	SM15T220A,CA		SMCJ16,A	SM15T18,A	
SMAJ5.0A	SMA4T5.0		SMCJ24,A	SM15T27,A	
↓	↓		SMCJ26,A	SM15T30,A	
SMAJ170A	SMA4T170		SMCJ28,A	SM15T33,A	
SMAJ5.0CA	SMA4T5.0B		SMCJ33,A	SM15T39,A	
↓	↓		SMCJ58,A	SM15T68,A	
SMAJ24C	SMA4T24B		SMCJ60,A	SM15T68,A	
SMBG5.0,A		SM6T6V8,A	SMCJ85,A	SM15T100,A	
↓		↓	SMCJ130,A	SM15T150,A	
SMBG170,A		SM6T200,A	SMCJ170,A	SM15T200,A	
SMBG5.0C,CA		SM6T6V8C,CA	SMCJ6.5C,CA	SM15T7V5C,CA	
↓		↓	SMCJ8.5C,CA	SM15T10C,CA	
SMBG170C,CA		SM6T200C,CA	SMCJ10C,CA	SM15T12C,CA	
SMBJ6.0,A	SM6T6V8,A		SMCJ24C,CA	SM15T27C,CA	
SMBJ6.5,A	SM6T7V5,A		SMCJ26C,CA	SM15T30C,CA	
SMBJ8.5,A	SM6T10,A		SMCJ33C,CA	SM15T39C,CA	
SMBJ10,A	SM6T12,A		SMCJ58C,CA	SM15T68C,CA	
SMBJ13,A	SM6T15,A		SMCJ60C,CA	SM15T68C,CA	
SMBJ16,A	SM6T18,A		SMCJ85C,CA	SM15T100C,CA	
SMBJ24,A	SM6T27,A		SMCJ130C,CA	SM15T150C,CA	
SMBJ26,A	SM6T30,A		SMCJ170C,CA	SM15T200C,CA	
SMBJ28,A	SM6T33,A		SMDA05C-4	ESDA6V1U1	
SMBJ33,A	SM6T39,A		SMDA05-18	ESDA6V1S3	ESDA6V2S6
SMBJ58,A	SM6T68,A		SMDA24C-4	ESDA25B1	
SMBJ60,A	SM6T68,A		SML47xx	SM2Zxx	
SMBJ85,A	SM6T100,A		SMLVT3V3	SMLVT3V3	
SMBJ130,A	SM6T150,A		SMMG5.0,A		SM15T6V8,A
SMBJ170,A	SM6T200,A		↓		↓
SMBJ6.5C,CA	SM6T7V5C,CA		SMMG170,A		SM15T200,A
SMBJ8.5C,CA	SM6T10C,CA				





## 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		SMTPA100	↓	↓	
TISP4125F3SL		TPA100A12 /18	TPSMA39,A	SMA4T39,A	SM15T6V8,A
TISP4150F3D		SMTPA120	TPSMC6.8,A		↓
TISP4150F3SL		TPA120A12 /18	↓		SM15T39,A
TISP4180F3D		SMTPA130	TPSMC39,A		SM15T6V8C,CA
TISP4180F3SL		TPA150A12/18	TPSMC6.8C,CA		↓
TISP4240F3D		SMTPA180	↓		SM15T39C,CA
TISP4240F3SL		TPA180A12 /18	TPSMC39C,CA	SM6T6V8,A	
TISP4260F3D		SMTPA200	TSMB6.8,A	↓	
TISP4260F3SL		TPA200A12 /18	↓	SM6T200,A	
TISP4290F3D		SMTPA220	TSMB200,A	SM6T6V8C,CA	
TISP4290F3SL		TPA220A12 /18	TSMB6.8C,CA	↓	
TISP4320F3D		SMTPA240	↓	SM6T200C,CA	
TISP4320F3SL		TPA240A12 /18	TSMB200C,CA	SM15T6V8,A	
TISP4380F3D		SMTPA270	TSMC6.8,A	↓	
TISP4380F3SL		TPA270A12 /18	↓	SM15T200,A	
TISP7125F3D		TPI8011N	TSMC200,A	SM15T6V8C,CA	
TISP7125F3P		TPI8012N	TSMC6.8C,CA	↓	
TISP7180F3D		TPI12011N	↓	SM15T200C,CA	
TISP7180F3P		TPI12012N	TSMC200C,CA	TPU58	
TISP7240F3D		THBT15011D	TPU58	TPU80	
TISP7240F3P		THBT15012D	TPU80	TPU120	
TISP7260F3D		THBT20011D	TPU120	TSI62B1	
TISP7260F3P		THBT20012D	TSI62B1	TSI180B1	
TISP7290F3D		THBT20011D	TSI180B1	TSI200B1	
TISP7290F3P		THBT20012D	TSI200B1	TSI270B1	
TISP7320F3D		THBT27011D	TSI270B1	TSI62B5	
TISP7320F3P		THBT27012D	TSI62B5	TSI120B5	
TISP7380F3D		THBT27011D	TSI120B5	TSI150B5	
TISP7380F3P		THBT27012D	TSI150B5	TSI180B5	
TISP61CAP3P	LCP1512D	LCP150S	TSI180B5	TSI200B5	
TMPG06-6.8,A	BZW04-5V8		TSI200B5	TSI270B5	
TMPG06-43,A	BZW04-37		TSI270B5	TSM6.8,A	
TPA62A12,A18	TPA62A12,A18		TSM6.8C,CA	↓	
TPA270A12,A18	TPA270A12,A18		↓	BZW04P5V8	
TPA62B12,B18	TPA62B12,B18		TSM200,A	↓	
TPA270B12,B18	TPA270B12,B18		TTS144	BZW04P342	
TPB62A12,A18	TP62A12,A18		TVS505	BZW04-5V8	
TPB270A12,A18	TPB270A12,A18		TVS528	BZW04-28	
TPB62B12,B18	TPB62B12,B18		TZB6.8A	BZW04P5V8	
TPB270B12,B18	TPB270B12,B18		↓	↓	
TPI8011N	TPI8011N		TZB400A	BZW04P342	
TPI8012N	TPI8012N		TZB6.8B	BZW04-5V8	
TPI12011N	TPI12011N		↓	↓	
TPI12012N	TPI12012N		TZB400B	BZW04-342	
TPN3021	TPN3021		TZB6.8CA	BZW04P5V8B	
TPP25011	TPP25011		↓	↓	
TPP25012	TPP25012		TZB400CA	BZW04P342B	
			TZB6.8CB	BZW04-5V8B	
			↓	↓	

**PROTECTION DEVICES**

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