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IN STOCK FUSE GUARANTEE

We'll have the fuses in this brochure in stock for pick-up or delivery or they will be shipped to you next day freight free – GUARANTEED.

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AMP-TRAP[®] 2000



A4BQ

TIME DELAY CLASS L



Ratings and Approvals

- **AC:** 100 to 6000A 600VAC, 200kA I.R. (self certified for 600VAC, 300kA I.R., UL witnessed)
4-second delay at 500% rating
Note: 100-600A ratings are non-listed
- **DC:** 601 to 3000A 500VDC, 100kA I.R.
- UL Listed to Standard 248-10 (601-6000A)
- DC Listed to UL Standard 198L (601-3000A)
- CSA Certified to Standard C22.2 No. 248.10 (601-6000A)

Catalog Numbers

A4BQ100	A4BQ650	A4BQ1800
A4BQ150	A4BQ700	A4BQ2000
A4BQ200	A4BQ750	A4BQ2500
A4BQ250	A4BQ800	A4BQ2500
A4BQ300	A4BQ900	A4BQ3000
A4BQ350	A4BQ1000	A4BQ3500
A4BQ400	A4BQ1200	A4BQ4000
A4BQ450	A4BQ1350	A4BQ5000
A4BQ500	A4BQ1400	A4BQ6000
A4BQ600	A4BQ1500	
A4BQ601	A4BQ1600	

Features and Benefits

- **Fastest operation under short circuit conditions:** Let-thru currents are typically 20% lower, with a corresponding let-thru energy (clearing I²t) up to 40% lower than the next fastest Class L fuse
- **Time delay for high inrush loads** such as motors and transformers, without nuisance opening
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Most current limiting** for lowest peak let-thru current; even at fault currents up to 300kA
- **Pure silver links** ensure lowest let-thru current and longer fuse life
- **Easy 2-to-1 selectivity** for prevention of nuisance shutdowns and "blackouts"
- **Rejection-style design** prevents replacement errors
- **High-visibility orange label** gives instant recognition
- **Reduced inventory** because A4BQ can replace all older types of Class L fuses now in service
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings
- **High-grade silica filler** ensures fast arc quenching

AMP-TRAP[®] 2000



AJT

TIME DELAY CLASS J



Ratings and Approvals

- **AC:** 1 to 600A 600VAC, 200kA I.R. (self certified for 600VAC, 300kA I.R., UL witnessed)
- **DC:** 1 to 600A 500VDC, 100kA I.R.
- **AJT (1-600):**
 - UL Listed to Standard 248-8
 - DC Listed to UL Standard 198L
 - CSA Certified to Standard C22.2 No. 248.8
 - IEC 269-2-1
- **AJT (70-600) EI:**
 - UL Component Recognized
 - DC Tested to UL Standard 198L

Catalog Numbers

AJT1	AJT6-1/4	AJT80
AJT1-1/4	AJT7	AJT90
AJT1-1/2	AJT8	AJT100
AJT1-6/10	AJT9	AJT110
AJT1-8/10	AJT10	AJT125
AJT2	AJT12	AJT150
AJT2-1/4	AJT15	AJT175
AJT2-1/2	AJT17-1/2	AJT200
AJT2-8/10	AJT20	AJT225
AJT3	AJT25	AJT250
AJT3-2/10	AJT30	AJT300
AJT3-1/2	AJT35	AJT350
AJT4	AJT40	AJT400
AJT4-1/2	AJT45	AJT450
AJT5	AJT50	AJT500
AJT5-6/10	AJT60	AJT600
AJT6	AJT70	

Features and Benefits

- **Solid State SmartSpot Indicator**
- **Time delay** for motor starting and transformer inrush
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Extremely current limiting** for low peak let-thru current
- **Most current limiting UL class fuse**
- **Small footprint** requires less mounting space and allows smaller, more economical fuse blocks
- **Easy 2-to-1 selectivity** for prevention of nuisance shutdowns
- **Unique Class J dimensions** prevent replacement errors
- **High-visibility orange label** gives instant recognition
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings
- **High-grade silica filler** ensures fast arc quenching
- **Optional EI Indicator/Switch mount** for AJT70 to 600 open fuse indication

AMP-TRAP[®] 2000



A2D & A6D

TIME DELAY CLASS RK1



Ratings and Approvals

- **A2D - AC:** 1/10 to 600A 250VAC, 200kA I.R.
(self certified for 250VAC, 300kA I.R., UL witnessed)
- **A6D - AC:** 1/10 to 600A 600VAC, 200kA I.R.
(self certified for 600VAC, 300kA I.R.)
- UL Listed to Standard 248-12
- CSA Certified to Standard C22.2 No. 248.12

Catalog Numbers

250V

A2D1/10R	A2D2-1/4R	A2D10R	A2D90R
A2D15/100R	A2D2-1/2R	A2D12R	A2D100R
A2D2/10R	A2D2-8/10R	A2D15R	A2D110R
A2D3/10R	A2D3R	A2D17-1/2R	A2D125R
A2D4/10R	A2D3-2/10R	A2D20R	A2D150R
A2D1/2R	A2D3-1/2R	A2D25R	A2D175R
A2D6/10R	A2D4R	A2D30R	A2D200R
A2D8/10R	A2D4-1/2R	A2D35R	A2D225R
A2D1R	A2D5R	A2D40R	A2D250R
A2D1-1/8R	A2D5-6/10R	A2D45R	A2D300R
A2D1-1/4R	A2D6R	A2D50R	A2D350R
A2D1-4/10R	A2D6-1/4R	A2D60R	A2D400R
A2D1-6/10R	A2D7R	A2D70R	A2D450R
A2D1-8/10R	A2D8R	A2D75R	A2D500R
A2D2R	A2D9R	A2D80R	A2D600R

600V

A6D1/10R	A6D8/10R	A6D20R	A6D4-1/2R	A6D10R	A6D40R	A6D110R	A6D350R
A6D15/100R	A6D1R	A6D2-1/4R	A6D5R	A6D12R	A6D45R	A6D125R	A6D400R
A6D2/10R	A6D1-1/8R	A6D2-1/2R	A6D5-6/10R	A6D15R	A6D50R	A6D150R	A6D450R
A6D3/10R	A6D1-1/4R	A6D2-8/10R	A6D6R	A6D17-1/2R	A6D60R	A6D175R	A6D500R
A6D3/10R	A6D1-4/10R	A6D3R	A6D6-1/4R	A6D20R	A6D70R	A6D200R	A6D600R
A6D4/10R	A6D1-6/10R	A6D3-2/10R	A6D7R	A6D25R	A6D80R	A6D225R	
A6D1/2R	A6D1-8/10R	A6D50R	A6D8R	A6D30R	A6D90R	A6D250R	
A6D6/10R	A6D2R	A6D4R	A6D9R	A6D35R	A6D100R	A6D300R	

Features and Benefits

- **Solid State SmartSpot Indicator**
- **Time delay** for motor starting and transformer inrush currents without nuisance opening
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Extremely Current Limiting** for low peak let-thru current
- **Easy 2-to-1 selectivity** for prevention of nuisance shut downs and "black outs"
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **High-visibility orange label** gives instant recognition
- **Reduced inventory** by taking the place of RK5, K, and H fuses
- **Metal-embossed date and catalog number** for easier traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings
- **Brass end-caps** (blade-style) for cooler operation and superior performance

AMP-TRAP[®] 2000



ATQR

TIME DELAY CLASS CC



Ratings and Approvals

- **AC:** 1/10 to 30A 600VAC, 200kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4

Catalog Numbers

ATQR1/10	ATQR1/4	ATQR3/4	ATQR1-4/10	ATQR2-1/4	ATQR3-1/2	ATQR6	ATQR9	ATQR20
ATQR1/8	ATQR3/10	ATQR8/10	ATQR1-1/2	ATQR2-1/2	ATQR4	ATQR6-1/4	ATQR10	ATQR25
ATQR15/100	ATQR4/10	ATQR1	ATQR1-6/10	ATQR2-8/10	ATQR4-1/2	ATQR7	ATQR12	ATQR30
ATQR3/16	ATQR1/2	ATQR1-1/8	ATQR1-8/10	ATQR3	ATQR5	ATQR7-1/2	ATQR15	
ATQR2/10	ATQR6/10	ATQR1-1/4	ATQR2	ATQR3-2/10	ATQR5-6/10	ATQR8	ATQR17-1/2	

Features and Benefits

- **Time delay** for control transformer inrush loads *without* nuisance opening
- **Highly current limiting** for low peak let-thru current
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **High-visibility orange label** ensures instant recognition, and simplifies replacement
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings
- **High-grade silica filler** ensures fast arc quenching and high current limitation

AMP-TRAP[®] 2000



ATDR

TIME DELAY CLASS CC



Ratings and Approvals

- **AC:** 1/4 to 30A 600VAC, 200kA I.R.
- **DC:** 1/4 to 30A 300VDC, 100kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4
- DC Listed to UL Standard 198L

Catalog Numbers

ATDR1/4	ATDR2-1/2	ATDR7-1/2
ATDR1/2	ATDR2-8/10	ATDR8
ATDR8/10	ATDR3	ATDR9
ATDR1	ATDR3-2/10	ATDR10
ATDR1-1/8	ATDR3-1/2	ATDR12
ATDR1-1/4	ATDR4	ATDR15
ATDR1-4/10	ATDR4-1/2	ATDR17-1/2
ATDR1-1/2	ATDR5	ATDR20
ATDR1-6/10	ATDR5-6/10	ATDR25
ATDR1-8/10	ATDR6	ATDR30
ATDR2	ATDR6-1/4	
ATDR2-1/4	ATDR7	

Features and Benefits

- **Time delay** for motor starting inrush currents without nuisance opening
- **Highly current limiting** for low peak let-thru current
- **Improved cycling ability** for frequent motor starts/stops without nuisance fuse opening
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **High-visibility orange label** ensures instant recognition, simplifies replacement
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings
- **High-grade silica filler** ensures fast arcquenching and optimum current limitation



Ratings and Approvals

- **TR** **AC:** 1/10 to 600A 250VAC, 200kA I.R.
DC: 1/10 to 2 8/10A & 35 to 400A, 250VDC, 20kA I.R.; 3 to 30A & 450 to 600A, 160VDC, 20kA I.R.
- **TRS** **AC:** 1/10 to 600A 600VAC, 200kA I.R.
DC: 1/10 to 12A, 600VDC, 20kA I.R.; 70 to 600A, 600VDC, 100kA I.R.; 15 to 60A, 300VDC, 20kA I.R.
- UL Listed to Standard 248-12
- CSA Certified to Standard C22.2 No. 248.12
- DC Listed to UL Standard 198L

Catalog Numbers

250V

TR1/10R	TR1R	TR2-1/2R	TR5-6/10R	TR15R	TR50R	TR125R	TR400R
TR15/100R	TR1-1/8R	TR2-8/10R	TR6R	TR17-1/2R	TR60R	TR150R	TR450R
TR2/10R	TR1-1/4R	TR3R	TR6-1/4R	TR20R	TR70R	TR175R	TR500R
TR3/10R	TR1-4/10R	TR3-2/10R	TR7R	TR25R	TR75R	TR200R	TR600R
TR4/10R	TR1-6/10R	TR3-1/2R	TR8R	TR30R	TR80R	TR225R	
TR1/2R	TR1-8/10R	TR4R	TR9R	TR35R	TR90R	TR250R	
TR6/10R	TR2R	TR4-1/2R	TR10R	TR40R	TR100R	TR300R	
TR8/10R	TR2-1/4R	TR5R	TR12R	TR45R	TR110R	TR350R	

600V

TRS1/10R	TRS1R	TRS2-1/2R	TRS5-6/10R	TRS15R	TRS50R	TRS125R	TRS400R
TRS15/100R	TRS1-1/8R	TRS2-8/10R	TRS6R	TRS17-1/2R	TRS60R	TRS150R	TRS450R
TRS2/10R	TRS1-1/4R	TRS3R	TRS6-1/4R	TRS20R	TRS70R	TRS175R	TRS500R
TRS3/10R	TRS1-4/10R	TRS3-2/10R	TRS7R	TRS25R	TRS75R	TRS200R	TRS600R
TRS4/10R	TRS1-6/10R	TRS3-1/2R	TRS8R	TRS30R	TRS80R	TRS225R	
TRS1/2R	TRS1-8/10R	TRS4R	TRS9R	TRS35R	TRS90R	TRS250R	
TRS6/10R	TRS2R	TRS4-1/2R	TRS10R	TRS40R	TRS100R	TRS300R	
TRS8/10R	TRS2-1/4R	TRS5R	TRS12R	TRS45R	TRS110R	TRS350R	

Features and Benefits

- **Time delay** for motor start-ups and transformer inrush currents *without* nuisance opening
- **Current limiting** for low peak let-thru current
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **Easy-to-read imprint label** for quick recognition and replacement
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings
- **Brass end-caps** (blade-style) for cooler operation and superior performance
- **High-grade silica filler** ensures fast arc quenching and high current limitation

TR & TRS

TIME DELAY CLASS RK5



ATMR CLASS CC



Ratings and Approvals

- **AC:** 1/10 to 30A 600VAC, 200kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4

Catalog Numbers

ATMR1/10	ATMR3/10	ATMR1-1/4	ATMR3	ATMR6	ATMR10	ATMR25
ATMR1/8	ATMR1/2	ATMR1-1/2	ATMR3-1/2	ATMR7	ATMR12	ATMR30
ATMR2/10	ATMR3/4	ATMR2	ATMR4	ATMR8	ATMR15	
ATMR1/4	ATMR1	ATMR2-1/2	ATMR5	ATMR9	ATMR20	

Features and Benefits

- **Rejection style design** prevents replacement errors when used with recommended fuse blocks
- **Fiberglass body** provides dimensional stability in harsh industrial environments
- **Versatile design** for individual component and branch circuit protection

ATM MIDGET FUSES



Ratings and Approvals

- **AC:** 1/10 to 30A, 600VAC, 100kA I.R.; 35 to 50A 600VAC, 10kA I.R.
- **DC:** 1/10 to 30A 500VDC, 100kA I.R.
- UL Listed to Standard 248-14 (1/10 to 30A)
- DC listed to UL Standard 198L (1/10 to 30A)
- CSA Certified to Standard C22.2 No.248.14 (1/10 to 30A)

Catalog Numbers

ATM1/10	ATM1/2	ATM2	ATM6	ATM15	ATM30/35
ATM1/8	ATM3/4	ATM3	ATM8	ATM20	ATM30/40
ATM2/10	ATM1	ATM4	ATM10	ATM25	ATM30/50
ATM1/4	ATM1-1/2	ATM5	ATM12	ATM30	

Features and Benefits

- **For supplemental protection** of small motors and transformers
- **Extended ratings** for special protection of capacitors and circuits with high inrush currents
- **500VDC ratings** for a wide variety of applications
- Can be used with **ULTRASAFE™** fuseholders

ATQ MIDGET FUSES



Ratings and Approvals

- **AC:** 1/10 to 30A 500VAC, 10kA I.R.
- UL Listed to Standard 248-14
- CSA Certified to Standard C22.2 No. 248.14

Catalog Numbers

ATQ1/10	ATQ3/10	ATQ1-1/8	ATQ2	ATQ3-2/10	ATQ6	ATQ12
ATQ1/8	ATQ4/10	ATQ1-1/4	ATQ2-1/8	ATQ3-1/2	ATQ6-1/4	ATQ14
ATQ15/100	ATQ1/2	ATQ1-4/10	ATQ2-1/4	ATQ4	ATQ7	ATQ15
ATQ3/16	ATQ6/10	ATQ1-1/2	ATQ2-1/2	ATQ4-1/2	ATQ8	ATQ20
ATN2/10	ATQ8/10	ATQ1-6/10	ATQ2-8/10	ATQ5	ATQ9	ATQ25
ATQ1/4	ATQ1	ATQ1-8/10	ATQ3	ATQ5-6/10	ATQ10	ATQ30

Features and Benefits

- **Numerous ratings** for a wide variety of applications up to 500VAC
- **Time Delay** (12 seconds at 200% rating) for circuits with high inrush current
- Can be used with **ULTRASAFE™** fuseholders

TRM MIDGET FUSES



Ratings and Approvals

- **AC:** 1/10 to 30A, 250VAC, 10kA I.R.
- UL Listed to Standard 248-14
- CSA Certified to Standard C22.2 No. 248.14

Catalog Numbers

TRM1/10	TRM6/10	TRM1-6/10	TRM3	TRM5-6/10	TRM10
TRM15/100	TRM8/10	TRM1-8/10	TRM3-2/10	TRM6	TRM12
TRM2/10	TRM1	TRM2	TRM3-1/2	TRM6-1/4	TRM15
TRM3/10	TRM1-1/8	TRM2-1/4	TRM4	TRM7	TRM20
TRM4/10	TRM1-1/4	TRM2-1/2	TRM4-1/2	TRM8	TRM25
TRM1/2	TRM1-4/10	TRM2-8/10	TRM5	TRM9	TRM30

Features and Benefits

- **Numerous ratings** for a wide variety of applications
- **250VAC rating** in all sizes up to 30A
- **Time delay** for circuits with high inrush current
- Can be used with **ULTRASAFE™** fuseholders

COMPETITOR	FERRAZ	COMPETITOR	FERRAZ	COMPETITOR	FERRAZ	COMPETITOR	FERRAZ	COMPETITOR	FERRAZ	COMPETITOR	FERRAZ
ABC	GAB	ENN	CNN	JCD	A240T	LHR	SHR	R3-12	GPM-A	311	GGC
AGC	GGC	EON	OT	JCE	A480T	LLNRK	A2D-R	R3-13	GPM-G	312	GGC
ANL	CNL	EOS	OTS	JCK	A240R	LLSRK	A6D-R	R3-18	GPM-B	313	GDL
ANN	CNN	EQ	GSB	JCL(4.8kv)	A480R	LON	A2D-R	R640	TR-R	314	GAB
AX1	GMS	ERN	RF	JCL(600V)	A4J	LON-R	A2D-R	R641	TRS-R	315	GDL-V
AX70	70	ERS	RFS	JDL	AJT	LON-RK	A2D-R	SAMI-I	DFC-I	318	GGC-V
BAF	OTM	ET	GDG	JFL	A4J	LOS	A6D-R	SAMI-N	DFC-N	326	GSA
BAN	OTM	E13S	A13X	JHC	AJT	LOS-R	A6D-R	SC	AG	36	A4J
BBC	GAB	E13SF	A13X	JJN	A3T	LOS-RK	A6D-R	SCL	A6K-R	361	GGX
BBS	SBS	E25S	A25X	JJS	A6T	LPCC	ATDR	SCL-R	A6K-R	362	GGX
BDB	GSB	E50S	A50P	JKS	A4J	LPJ	AJT	SCLR-S	A6D-R	3740	GTL
BDC	GDG	E70S	A70P	JLLN	A3T	LPN	A2D-R	SD4	GDL	3765	GW
BDL	GDL	FBP	A70P	JLLS	A6T	LPNR	A2D-R	SD5	GSR-V	3770	GSL
BGC	GGC	FH042	GPM-G	JLS	A4J	LPN-RK	A2D-R	SD6	GSC	401	GMS
BGX	GGX	FH043	GPM-A	JTD	AJT	LPS	A6D-R	SEC	AG	49498-5	TI-600
BLF	OTM	FLA	GFN	KAA	A13X	LPSR	A6D-R	SF100P	A100P	49498-6	TI-1500
BLN	OTM	FLM	TRM	KAB	A25X	LPSRK	A6D-R	SF13X	A13X	5AG	GGU
BLS	SBS	FLNR	TR-R	KAH	A13X	LSLK	GEB-11-11	SF25X	A25X	5MF	GGM
BMA	GGM	FLQ	ATQ	KAX	A25X	L13S	A13X	SF50P	A50P	5MFP	GGM-V
C-HG	A2K-R	FLSR	TRS-R	KAZ	TI-600	L25S	A25X	SF60	A60X	5MTP	GGA-V
C-HR	A6K-R	FNA	GFN	KBC	A60X	L50S	A50P	SF70P	A70P	5SF	GSB
C-J	A4J	FNM	TRM	KBH	A50P	L60N	A70P	SJ	A4J	5ST	GDG
C-L	A4BY	FNQ	ATQ	KBP	A70P	L60S	A60X	SKM	GGU	5TT	GSC
CCMR	ATDR	FNQR	ATQR	KBY	TI-1500	MCL	ATM	SL	GSL	5TTP	GSC-V
CES4	GAB	FNW	TRM	KLA	A13X	MCR	GSR-V	SLC	AG	50F	GSB
CES6	GSA	FRN	TR-R	KLB	A25X	MDA	GSA	SL2	GGX	50KOTN	OT
CGM	GGM	FRNR	TR-R	KLDR	ATQR	MDL	GDL	SL4	GGX	50KOTS	OTS
CJ	A4J	FRS	TRS-R	KLH	A50P	MDQ	GDL	SP5	GSR-V	50T	GDG
CJS	A4J	FRSR	TRS-R	KLK	ATM	MDV	GDL-V	SS1	GGC-V	51NM	GGM
CL	A4BY	FWA	A13X	KLK-R	ATMR	MDX	GDL	SS2	GGC	51S	GSC
CLL	A4BY	FWH	A50P	KLLU	A4BT	MEN	TRM	SS5	GGC-V	511	GGU
CLW	A4BY	FWP	A70P	KLMR	ATDR	MEQ	ATQ	SS6	GGC	512	GGU
CM	OTM	FWX	A25X	KLNR	A2K-R	MID	GFN	T	GT	52	TR-R
CMC	OTM	GDC	GDG	KLP-C	A4BQ	MOF	OTM	TJN	A3T	52NM	GGM-V
CMF	OTM	GDV	GDL-V	KLSR	A6K-R	MOL	OTM	TJS	A6T	52S	GSC-V
CNM	TRM	GGJ	GGC-V	KLU	A4BT	MQ	GSR-V	TL	GTL	56	TRS-R
CNQ	ATQ	GGL	GGC	KN	A2K-R	MQ3	GGM-V	TRNR	TR-R	6JX	ATM
CRN-R	TR-R	GJV	GGC-V	KON	OT	MQ4	GGM	TRSR	TRS-R	61NM	GGC
CRS-R	TRS-R	GLH	GGC	KOS	OTS	MTH	GGA-V	TSCR	GGA-V	61S	GDL
CSF13X	A13X	GLR	SLR	KRP-C	A4BQ	MT3	GGA-V	W	GW	62	OT
CSF25X	A25X	GMA	GGM	KS	A6K-R	NCL	A2K-R	WCL	A4BY	62NM	GGC-V
CSF50P	A50P	GMA-V	GGM-V	KTK	ATM	NCL-R	A2K-R	XL50F	A50QS	62S	GDL-V
CSF60C	A60X	GMC	GSC	KTK-R	ATMR	NCLR-S	A2D-R	XL50P	A50P	640	TR-R
CSF60X	A60X	GMC-V	GSC-V	KTN	A2K-R	NLN	OT	XL70F	A70Q	65NM	GAB
CSF70P	A70P	GMD	GSC	KTN-R	A2K-R	NLS	OTS	XL70P	A70P	65TS	GSA
CSF100P	A100P	GMD-V	GSC-V	KTS	A6K-R	NON	OT	10KOTN	OT	655	OT
CSN-R	TR-R	GMT	GMS	KTS-R	A6K-R	NOS	OTS	10KOTS	OTS	656	OTS
CSS-R	TRS-R	GTH	GGC	KTU	A4BY	NSD10	GDL	217	GSB	66	OTS
CTK-R	ATMR	HA	A6K-R	KWN-R	A2K-R	NSD9	GDL-V	218	GDG	660	RF
CTN-R	A2K-R	HB	A2K-R	KWS-R	A6K-R	NSSA2	GGC	235	GGM	670	GT
CTS-R	A6K-R	HCLR	ATMR	L	A4BY	PON	OTN	236	GGM-V	675	GSL
DENR	TR-R	HCTR	ATDR	LCK	A240R	REN	RF	238	GSC-V	680	RFS
DESR	TRS-R	HEB--	GEB--	LCL	A4BT	RES	RFS	239	GSC	690	GW
DLNR	TR-R	HET--	GEBN--	LCU	A4BY	RFA	A13X	251	GSR-V	72	RF
DLSR	TRS-R	HKP	GPM-G	LEB--	GEB--	RFL	A70P	3AB	GAB	76	RFS
EBS	SBS	HLR	SHR	LEN	A2D-R	RFN	A25X	3AG	GGC	8AG	GGX
ECN	TR-R	HNR	A2K-R	LEN-R	A2D-R	RFV	A50P	3AG-SB	GDL	92	RF
ECN-R	TR-R	HPF	GPM-S	LEN-RK	A2D-R	RFZ	TI-600	3AP	GGC-V	96	RFS
ECS	TRS-R	HPS	GPM-B	LES	A6D-R	RHN	A2K-R	3SB	GDL		
ECS-R	TRS-R	HSR	A6K-R	LES-R	A6D-R	RHS	A6K-R	3SBP	GDL-V		
ELR	SLR	J	A4J	LES-RK	A6D-R	RLN	RF	3WO	GDL		
ENL	CNL	JA	A4J	LGR	SLR	RLS	RFS	3WOP	GDL-V		