

American Fuses Telecom Fuses TGL - TGN - TGS



Ferraz Shawmut telecommunications fuses are specially designed for the protection of telecommunications equipment which includes telephone switching equipment, rectifiers, distribution switching panels, battery back-up modules, power supplies and switching sub-stations.

The telecom fuses are available from 1 to 800 amperes rated at 170VDC with an interrupting rating of 100,000 amps to fulfill your circuit protection needs. The telecom fuses have high current limiting capabilities to provide a better degree of circuit protection to traditional telecommunications equipment. These fuses consist of a blue and white label for easy identification of their DC voltage capability.

Features/Benefits

- All fuses rated 170VDC, 100kA I.R.
- Extremely current limiting
- Blue & white labels for easy identification
- Various mounting configurations

Highlights

- DC Rated
- Highly Current Limiting
- Fast Acting
- Rejection Style

Applications

- Distribution Switching Panels
- Battery Back-up Systems
- Power Supplies
- Switching Substations
- Telephone Switching Rectifiers

Ratings

- TGL: 70-800 A
170VDC,
100kA I.R.
- TGN: 1-600 A
170VDC,
100kA I.R.
- TGS: 1-70 A
170VDC,
100kA I.R.

Approvals

- UL Recognized Components
File #E60314

Telecom fuse Cross Reference

Competitor Part Number	Ferraz Part Number
TPL	TGL
TPN	TGN
TPS	TGS

Recommended Fuse Holder Catalog Number

Fuse	Ampere	1 Pole	3 Pole
TGL	70-250	P243D	
	300-800	P243G	
TGN	0-30	20306R	20308R
	31-60	20606R	20608R
	61-100	21036R	21038R
	101-200	22001R	22003R
	201-400	24001R	24003R
	401-600	2631R	2633R
TGS	0-70A	30656T	30658T

Recommended Fuse Holder Reference Number

Fuse	Ampere	1 Pole	3 Pole
TGL	70-250	C219560	
	300-800	H222762	
TGN	0-30	T213411	K215956
	31-60	B213383	E214939
	61-100	D201621	M212899
	101-200	R213915	G214941
	201-400	J219566	D222022
	401-600	H214942	P215960
TGS	0-70A	X219049	G222 025

Special Purpose Fuses

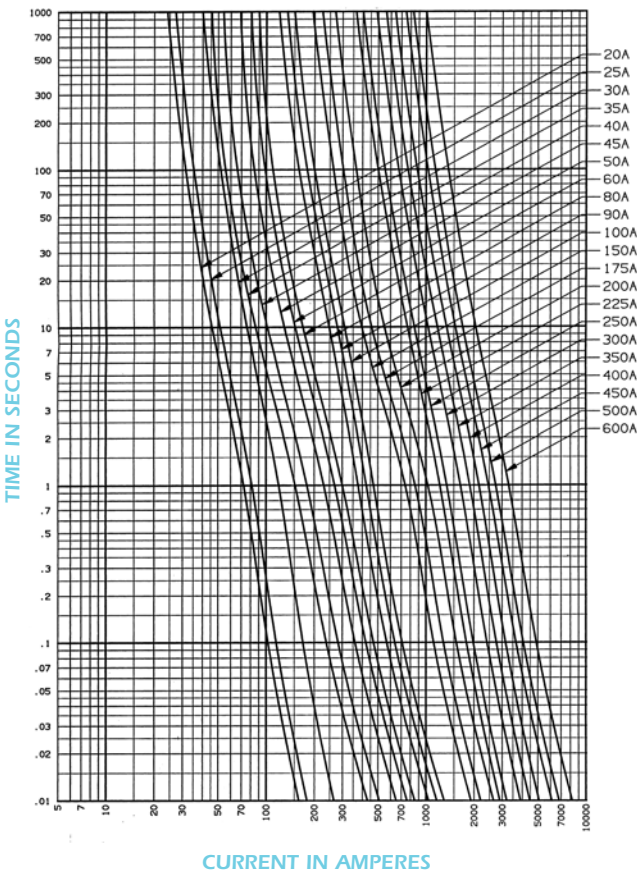
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TGN

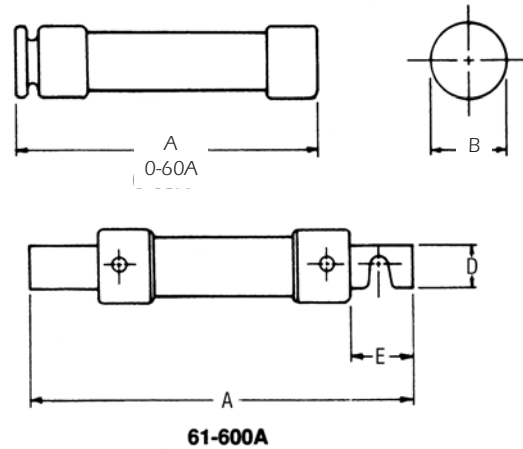
Catalog Numbers, Standard Ampere Rating

Catalog Number	Reference Number	Ampere rating	Catalog Number	Reference Number	Ampere rating	Catalog Number	Reference Number	Ampere rating
TGN1	F216849	1A	TGN40	M213796	40A	TGN175	J219957	175A
TGN3	X211229	3A	TGN45	S214813	45A	TGN200	P223159	200A
TGN5	Z215831	5A	TGN50	D216341	50A	TGN225	W200947	225A
TGN6	X217370	6A	TGN60	F217884	60A	TGN250	Q202161	250A
TGN10	W217369	10A	TGN70	C218916	70A	TGN300	W212263	300A
TGN15	B218915	15A	TGN80	R219435	80A	TGN350	V213297	350A
TGN20	B222641	20A	TGN90	K219958	90A	TGN400	V214309	400A
TGN25	M201491	25A	TGN100	E217883	100A	TGN450	W215322	450A
TGN30	M211749	30A	TGN110	L218395	110A	TGN500	G216850	500A
TGN35	G212779	35A	TGN150	Q219434	150A	TGN600	M218396	600A

Melting Time - Current Data



Dimensions



170 VDC TGN Fuses

Ampere Rating	A		B		C		D		E	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
0-30	2	51	9/16	14						
31-60	3	76	13/16	21						
61-100	5-7/8	149	1-1/16	27	1/8	3	3/4	19	1	25
101-200	7-1/8	181	1-9/16	40	3/16	5	3/4	19	1-3/8	35
201-400	8-5/8	219	2-1/16	53	1/4	6	1-5/8	41	1-7/8	48
401-600	10-3/8	264	2-9/16	66	1/4	6	2	51	2-1/4	57

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TGL

Catalog Numbers, Standard Ampere Rating

Catalog Number	Reference Number	Ampere rating	Catalog Number	Reference Number	Ampere rating
TGL-BA	A218914	70A	TGL-BL	L211748	250A
TGL-BB	P219433	80A	TGL-CN	V212262	300A
TGL-BC	H219956	90A	TGL-CO	T213296	350A
TGL-BD	A222640	100A	TGL-CR	L213795	400A
TGL-BE	N223158	125A	TGL-CU	T214308	450A
TGL-BF	V200946	150A	TGL-CV	R214812	500A
TGL-BG	L201490	175A	TGL-CZ	V215321	600A
TGL-BH	T202118	200A	TGL-CZH	Y215830	800A
TGL-BK	W211228	225A			

Dimensions

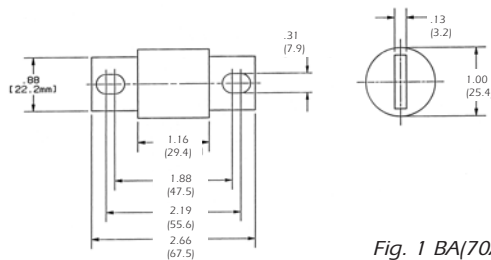


Fig. 1 BA(70A) – BL(250A)

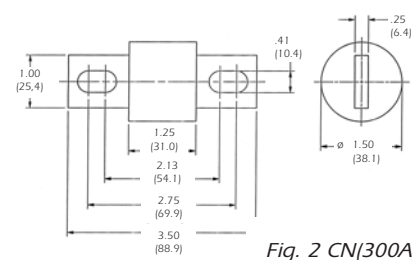
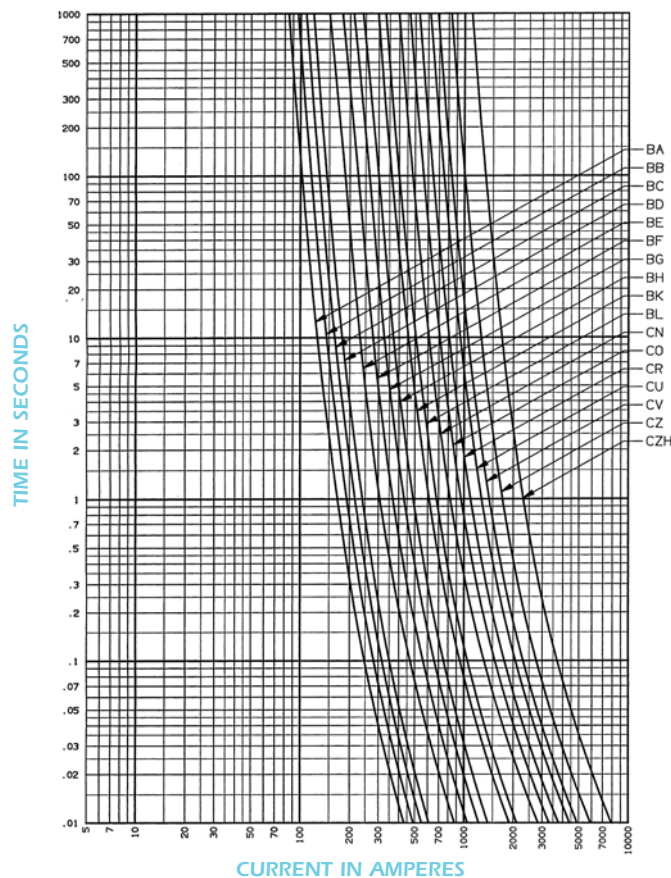


Fig. 2 CN(300A) – CZH(800A)

Melting Time - Current Data



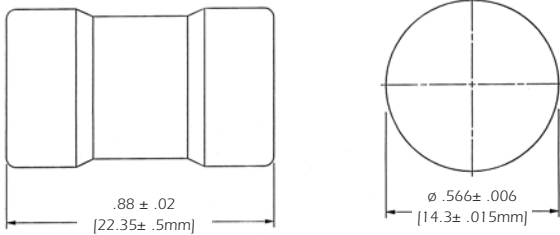
Special Purpose Fuses

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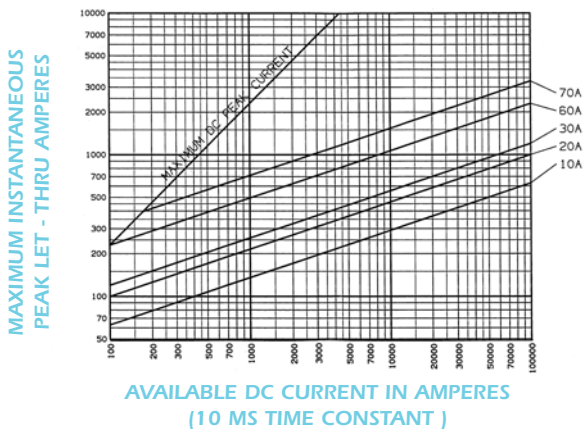
TGS Catalog Numbers, Standard Ampere Rating

Catalog Number	Reference Number	Ampere rating	Catalog Number	Reference Number	Ampere rating
TGS1	C222642	1A	TGS20	D202173	20A
TGS2	N201492	2A	TGS25	Y211230	25A
TGS3	N211750	3A	TGS30	X212264	30A
TGS5	W213298	5A	TGS40	H212780	40A
TGS6	W214310	6A	TGS50	N213797	50A
TGS10	Q223160	10A	TGS60	T214814	60A
TGS15	X200948	15A	TGS70	X215323	70A

Dimensions



Peak Let - Thru Current Data



Melting Time - Current Data

