

TELECOMMUNICATIONS

SPECIAL PURPOSE FUSES



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.

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

Features/Benefits

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

Telecom Fuse Cross Reference

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

Recommended Fuse Holder

| FUSE | AMPERE | 1 Pole | 3 Pole |
|------|----------|--------|--------|
| TGL | 70-250A | P243D | |
| | 300-800A | 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 |

Catalog Number, Standard Ampere Rating

| Catalog Number | Ampere Rating | Catalog Number | Ampere Rating |
|----------------|---------------|----------------|---------------|
| TGL-BA | 70A | TGL-BL | 250A |
| TGL-BB | 80A | TGL-CN | 300A |
| TGL-BC | 90A | TGL-CO | 350A |
| TGL-BD | 100A | TGL-CR | 400A |
| TGL-BE | 125A | TGL-CU | 450A |
| TGL-BF | 150A | TGL-CV | 500A |
| TGL-BG | 175A | TGL-CZ | 600A |
| TGL-BH | 200A | TGL-CZH | 800A |
| TGL-BK | 225A | | |

Dimensions

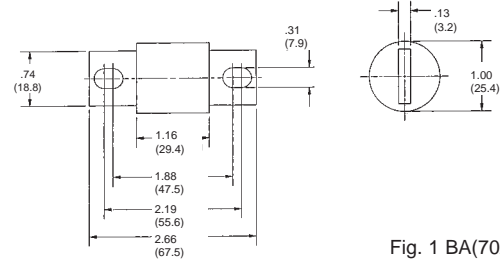


Fig. 1 BA(70A) – BL(250A)

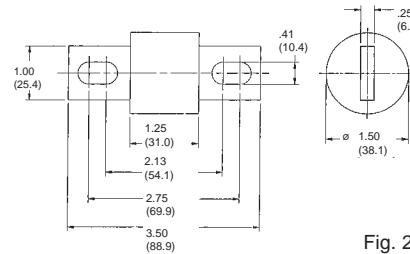


Fig. 2 CN(300A) – CZH(800A)

Melting Time - Current Data

