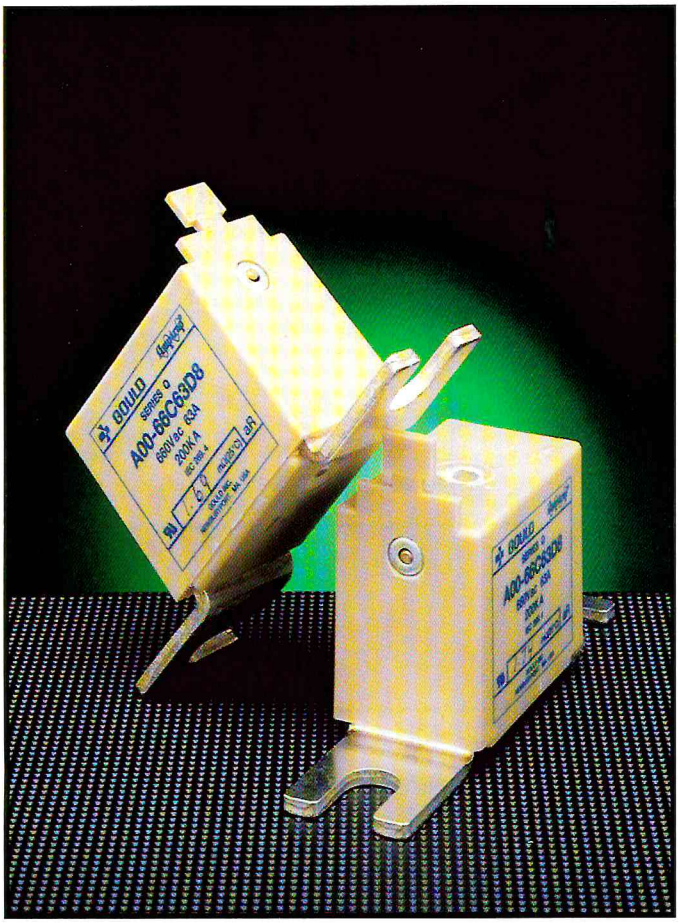
AMP-TRAP®–Series Q European Dimension

GOULD SHAWMUT

A00-66C SEMICONDUCTOR PROTECTION FUSE-LINKS



AMP-TRAP® SERIES Q EUROPEAN DIMENSION 690V FUSE-LINKS FOR SEMICONDUCTOR PROTECTION

Gould Shawmut A00-66C size 00 fuse-links are tested in accordance with IEC Std. 269-4, verified at 726 volts AC and are UL Recognized, making them acceptable worldwide. Their unique engineered resin body is light weight, and has a built-in visual blown-fuse indicator which will accept a microswitch (45493-G) for remote indication. "L" bracket design and internal element position yields extremely low inductance, making this fuse-link ideal for inverter applications using high-speed switching devices such as IGBT's. The A00-66C has a wide range of ampere ratings available in one body size, allowing the equipment designer to standardize on a single mounting for many applications.

Features/Benefits

- **Tested at 726 volts** for worldwide acceptance
- **Low inductance** for improved performance in inverters
- **Engineered resin body** for long life
- **One body size** simplifies design work

HIGHLIGHTS:

- Fast Acting
- Current Limiting
- Very Low I^2t
- Low Inductance

APPLICATIONS:

- Protection of inverters, especially with high-speed switching, DC drives, AC drives

Ratings

- **AC:** Size 00: 35-400A 690VAC, 200kA I.R.
- **DC:** Size 00: 35-400A 600VDC, 100kA I.R.

Approvals

- UL Recognized Component
- AC: UL Guide No. JFHR2
- IEC Std. 269-4

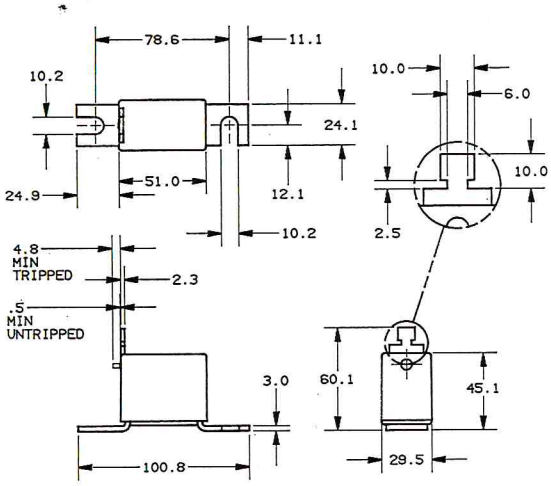
Catalog Numbering System

A 00 - 66 C 160 DI

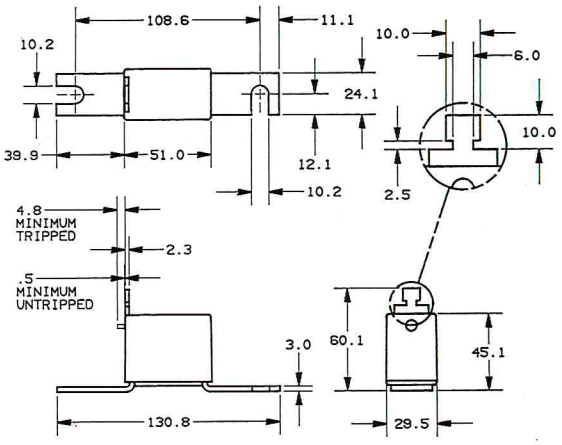
- A — Amp-trap® Fuse
- 00 — Size
- 66 — Rated Volts 690V
- C — Design Reference
- 160 — Ampere Rating
- DI — Mounting Types: DIN 80 D8; DIN 110 D1

A00-66C SEMICONDUCTOR PROTECTION FUSE-LINKS

L-Bracket, DIN 80 (D8)



L-Bracket, DIN 110 (D1)



Ratings and AC Application Data

Body Size	Amp Rating	Pre-Arc $I^2t \times 10^3$ (A^2s)	Total $I^2t \times 10^3$ @ 690VAC (A^2s)	Watts Loss @ Rated Current (w)	DIN 80 L-Bracket Reference No.	DIN 110 L-Bracket Reference No.
00	35	0.059	0.25	7.6	A00-66C35D8	A00-66C35D1
	40	0.069	0.30	11.3	A00-66C40D8	A00-66C40D1
	50	0.16	0.66	11.8	A00-66C50D8	A00-66C50D1
	63	0.43	1.8	11.2	A00-66C63D8	A00-66C63D1
	80	0.62	2.7	15.1	A00-66C80D8	A00-66C80D1
	100	0.84	3.6	20.2	A00-66C100D8	A00-66C100D1
	125	1.4	5.9	24.5	A00-66C125D8	A00-66C125D1
	160	3.2	14	27	A00-66C160D8	A00-66C160D1
	200	4	17	37	A00-66C200D8	A00-66C200D1
	250	9.7	41	38	A00-66C250D8	A00-66C250D1
	315	16	68	47	A00-66C315D8	A00-66C315D1
	350	20	98	51	A00-66C350D8	A00-66C350D1
	400	26	130	66	A00-66C400D8	A00-66C400D1