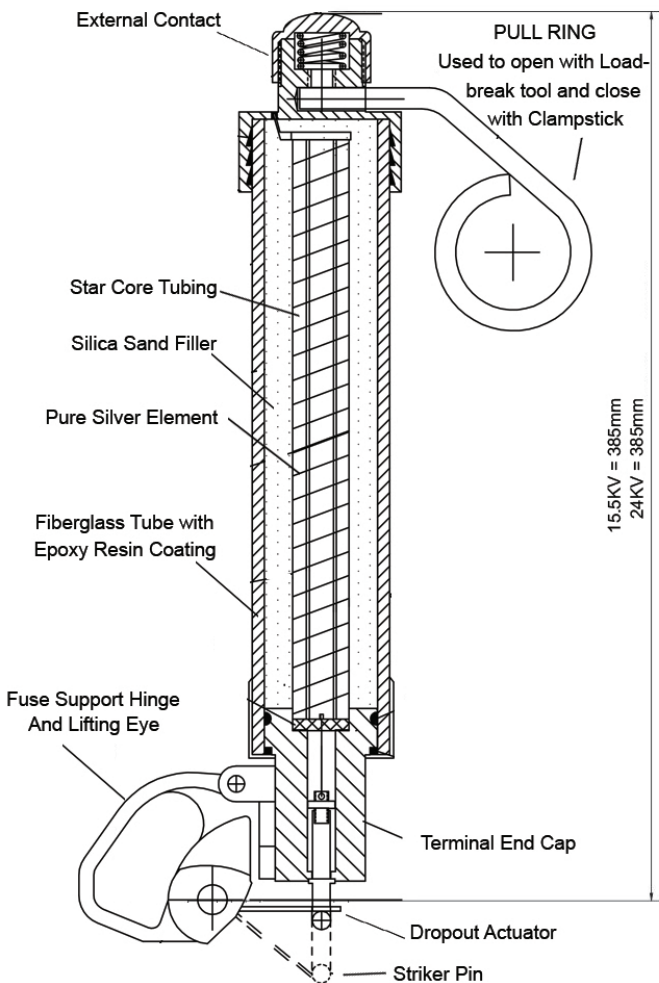


# CURRENT-LIMITING DROPOUT FUSE

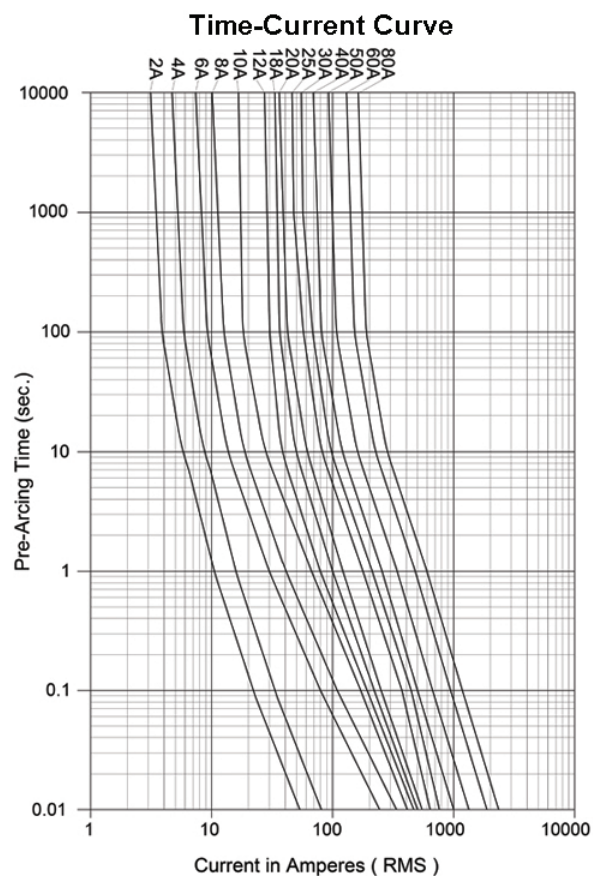
- DHS & DHHS, 1A TO 80A AT 15.5KV TO 24KV

**Does Not Release Hot Gasses Or Molten Fragments During Interruption Of Circuit**



Switchgear Fuses for Energy Distribution conforming to NBR 8124, IEC 060282-2, ANSI / ABNT

- No Sparks or Molten Fragments
- No Release of Hot Gasses
- Current Limiting
- High Rupture Capacity
- Low Voltage Arc
- Low Watt Loss
- Pure Silver Element
- Cut Off Time U.R.



## THE CURRENT-LIMITER FUSE IN SHORT-CIRCUIT

A short circuit in an alternating current network A/C, provokes a continuous component of current D/C, which varies depending on the power factor and angle of closing at short-circuit. The continuous current D/C component adds to the maximum value during the first cycles with a power factor less than 0.1 to 0.3. DENCO fuses limits and disconnects the short-circuit before the current arrives at dangerous values.

The peak current of the fuse is always shown as peak values.

**Voltage ----- 17.5KV**  
**Tested Current ----- 50KA**  
**Limited Current ----- 6KA**  
**Voltage Arc ----- 37KV**  
**Cut-off Time ----- 1ms.**  
**Arc Time ----- 5ms.**  
**Cap. or Rupture ----- 50KA**

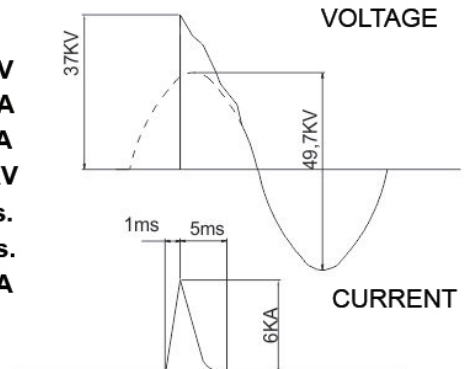


FIG. 1 SINGLE BARREL

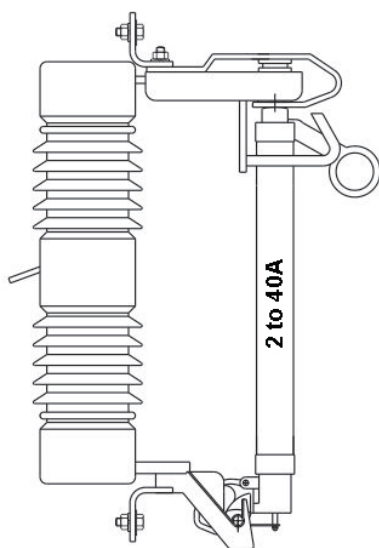
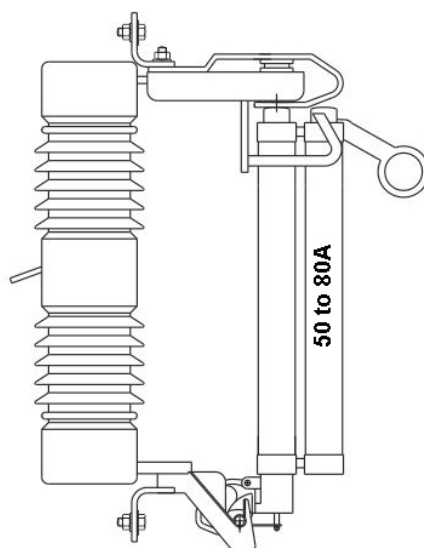
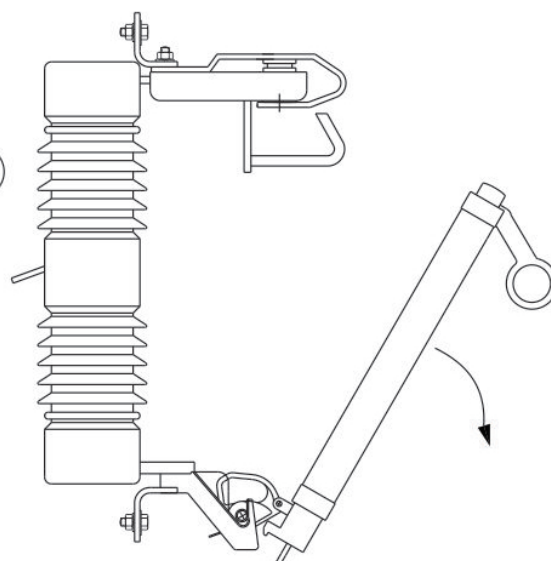


FIG. 2 DOUBLE BARREL



TRIPPED FUSE



DENCO Fuses for protection against over current of primary circuits (high voltage) have high rupture capacity and are amply utilised in substation networks and aerial urban and rural distribution power lines.

We've created a new system of cut-off that guarantees a rapid extinguished arc, tripping fast and safely without the possibility of explosion, expulse of gasses or molten fragments. Which eliminates the result of sparks and/or fire accidents in an urban or rural area.

#### Recommended Fuses for Distribution Transformers

Three-Phase Voltage Transformer Phase / Phase											
Fuse Voltage 8.3kV											
Transformer Rating (KVA)	2.4kV		4.8kV		8.3kV		Fuse Voltage 15.5kV				
	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	Dropout
10	6	6 K	6	6 K	6	6 K	6	6 K	6	0.5 H	6
15	6	6 K	6	6 K	6	6 K	6	6 K	6	0.5 H	6
25	6	6 K	6	6 K	6	6 K	6	6 K	6	1 H	6
30	10	10 K	6	6 K	8	8 K	6	6 K	6	2 H	6
45	20	20 K	8	8 K	8	8 K	6	6 K	6	2 H	6
75	30	30 K	12	12 K	10	10 K	8	8 K	6	3 H	6
100	40	40 K	20	20 K	12	12 K	10	10 K	8	5 H	8
150	-	-	25	25 K	20	20 K	12	12 K	12	8 K	12
200	-	-	30	30 K	25	25 K	15	15 K	15	10 K	15
250	-	-	40	40 K	30	30 K	20	20 K	18	15 K	18
300	-	-	-	-	40	40 K	25	25 K	20	20 K	20

Voltage Transformer Phase / Ground											
Fuse Voltage 8.3kV											
Transformer Rating (KVA)	2.4kV		4.8kV		8.3kV		13.2kV		15.5kV		25kV
	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	Protector Amps	Fuse-Link Type K	
30	10	10 K	6	6 K	6	6 K	6	6 K	6	6 K	6
45	12	12 K	6	6 K	8	8 K	6	6 K	6	6 K	6
75	20	20 K	10	10 K	10	10 K	6	6 K	6	6 K	6
100	30	30 K	18	18 K	12	12 K	8	8 K	8	8 K	8
150	40	40 K	20	20 K	18	18 K	10	10 K	10	10 K	10
200	-	-	30	30 K	20	20 K	12	12 K	12	12 K	12
250	-	-	40	40 K	25	25 K	18	18 K	18	18 K	18
300	-	-	-	-	30	30 K	18	18 K	18	18 K	18

#### Type

System Voltage	Fuse Voltage	FIG. 1	FIG. 1
		Fuse Amperage & Part No.	Fuse Amperage & Part No.
15,5KV	8,3KV	2A / DHS28	50A / DHS508
		4A / DHS48	
		6A / DHS68	FIG. 2
		8A / DHS88	60A / DHHS608
		10A / DHS108	80A / DHHS808
		12A / DHS128	
		18A / DHS188	
		20A / DHS208	
		25A / DHS258	
		30A / DHS308	
		40A / DHS408	
25KV	15,5KV	4A / DHS415	25A / DHS2515
		6A / DHS615	30A / DHS3015
		8A / DHS815	40A / DHS4015
		10A / DHS1015	
		12A / DHS1215	FIG. 2
		18A / DHS1815	60A / DHHS6015
		20A / DHS2015	80A / DHHS8015

Note: The Fuse-Links listed allow 1.4 to 2 times the rated current of the transformer.