

# CUBEFuse™ and Fuseholder

## Finger-Safe Dual-Element Time-Delay Fuses

### Indicating – 600 Volts or Less

## TCF & TCFH

### 1-100 Amps



Catalog Symbol: TCF (Fuse) & TCFH (Holder)  
 Dual-Element, Time-Delay Fuse: 10 Seconds  
 Minimum Operating Time at 500% Rated Current  
 Ampere Rating: 1 to 100A  
 Voltage Rating: 600Vac (or less)  
 Interrupting Rating: 300,000A RMS Symmetrical (UL)  
 200,000A RMS Symmetrical (CSA)

#### Agency Information:

UL Listed Special Purpose Fuse: Guide JFHR,  
 File E56412

CSA Certified Fuse: Class 1422- 02, File 53787

UL Listed Fuseholder: Guide IZND,  
 File E214079

CSA Certified Fuseholder: Class 6225-01, File 47235

#### Other Electrical Certifications:

CE compliance for the European Union Low Voltage  
 Directive (50-1000Vac, 75-1500Vdc)

DC Voltage Rating: 300Vdc (or less), 100,000AIR

#### Catalog Numbers

TCF1	TCF3	TCF6	TCF10
TCF15	TCF17-1/2	TCF20	TCF25
TCF30	TCF35	TCF40	TCF45
TCF50	TCF60	TCF70	TCF80
TCF90	TCF100		

#### CUBEFuse™ Fuseholder Catalog Data

Amps	Poles	Wire *	Dual Wire *	Part Number
30	1	14 AWG to 8 AWG CU	14 AWG CU	TCFH30
60	1	14 AWG to 4 AWG CU	10 AWG to 6 AWG CU	TCFH60
100	1	10 AWG to 1 AWG CU	6 AWG CU	TCFH100

\* 75°C (MIN) CU Wire Only

- The world's first finger safe industrial fuse system.
- True dual-element fuse construction with a minimum of 10 seconds time-delay at 500% of rating.
- Long time-delay minimizes nuisance circuit openings due to temporary overloads and transient surges.
- Meets UL Class J Time-Delay electrical performance requirements.
- High interruption rating to safely interrupt faults up to 300,000A.
- Faster response to damaging faults reduces destructive thermal and magnetic forces.
- Permanent open fuse indication.
- Designed to be an internationally accepted and specified world class product.
- Smallest footprint of any power class fuse including Class J, CC, T and RK.
- Meets requirements of IEC 60529 for IP-20 finger safe rating.
- No venting of arc or molten metal and gases during opening.
- Robust cycling and inrush current withstand.
- Low let through currents under fault conditions.
- Provides TYPE 2 "no damage" protection for IEC motors starters when properly sized.
- Low watt loss reduces power consumption and lowers operating temperature.
- Conventional Class J fuse case sizes and ampere ratings.
- Dovetail fuseholder design for ganging multiple fuse poles.
- 30, 60 and 100A fuseholders can be ganged together.
- 30A fuses can be plugged into the 60 and 100A holder without a reducer.
- 60A fuses can be plugged into the 100A holder without a reducer.
- 35mm DIN rail and chassis mounting features.
- Fuseholder wire ports rated for dual wires.

#### Carton Quantity and Weight

Ampere Rating	Carton Qty	Weight Per Carton	
		Lbs.	Kg.
TCF1-30	12	1.39	.518
TCFH30	12	2.42	.902
TCF35-60	12	1.42	.530
TCFH60	12	2.57	.958
TCF70-100	6	1.74	.791
TCFH100	6	1.38	.626