

Safety & Convenience Packed Into A Small Footprint

5 Reasons To Specify the Cooper Bussmann CUBEFuse™

1. IP-20 Finger-Safe

The Cooper Bussmann CUBEFuse module is the world's first finger-safe industrial power fuse. All CUBEFuse components, including the fuse, fuse base and wire ports, are IP-20 Finger-safe, and IEC 60529 and NFPA 70E compliant.

2. Small Footprint

The CUBEFuse footprint is the smallest of any power class fuse on the market. The compact design allows for 3-pole, 30A, 60A and 100A assemblies to be placed in less space, while maintaining UL Class J time-delay performance.

3. Class J Performance

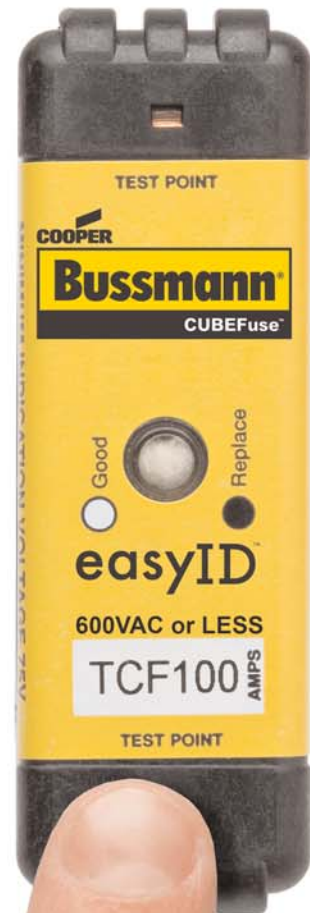
The CUBEFuse module meets Class J time-delay electrical performance for UL/CSA. It has a high interrupting rating, 300kA, and a voltage rating of 600Vac and 300Vdc. The current-limiting performance of a properly sized CUBEFuse unit offers Type 2 (IEC 947-4-1), no damage coordinated motor starter protection.

4. Versatility

The CUBEFuse base dovetail feature allows 30A, 60A and 100A fuse bases to be ganged together. Fuse bases can be snapped onto a 35mm DIN rail or mounted directly to the panel. Eliminating the need for fuse reducers, a 30A CUBEFuse fuse can be inserted into a 60A and 100A base, and a 60A CUBEFuse fuse can be inserted in a 100A base.

5. *easyID*™ Indication

The CUBEFuse module features *easyID* technology—a permanent replacement fuse indicator that assists in identifying an open fuse. Qualified individuals can then analyze the cause of the open circuit and quickly make the necessary replacements.



CUBEFuse™ Specifications

- Catalog Symbol:** TCF (Fuse) & TCFH (Holder)
- Dual-Element, Time-Delay Fuse:** 10 Seconds Minimum Operating Time at 500% Rated Current
- Current-Limiting:** Meets Class J performance
- Ampere Rating:** 1 to 100A
- Voltage Rating:** 600Vac (or less) / 300Vdc (or less)
- Interrupting Rating:** 300,000A RMS Symmetrical AC
100,000A DC
- Agency Approvals:** UL Listed Special Purpose Fuse (per UL 248-8)
CSA Certified HRCI - Misc. Fuse (per CSA-22.2 No. 106)

Other Electrical Certifications:

- IEC 60269-2-1 Low-Voltage Fuses for Class J Electrical Operating Characteristics
- IEC 60529 Degrees of Protection Provided by Enclosures (IP Code)
- CE Compliance for the European Union Low Voltage Directive (50-100Vac, 75-1500Vdc)

Catalog Numbers and Amp Ratings

TCF1*	TCF3*	TCF6	TCF10
TCF15	TCF17.5	TCF20	TCF25
TCF30	TCF35	TCF40	TCF45
TCF50	TCF60	TCF70	TCF80
TCF90	TCF100	TCFH30	TCFH60
TCFH100			

* Minimum 75 volts ac/dc required for indication.

Fuse Block Size Comparison

Fuse Type	30A 3-Pole Assembly		60A 3-Pole Assembly		100A 3-Pole Assembly	
	Footprint (sq. in.)	CUBEFuse Space Savings (%)	Footprint (sq. in.)	CUBEFuse Space Savings (%)	Footprint (sq. in.)	CUBEFuse Space Savings (%)
CUBEFuse™	5.3	—	7.9	—	9.2	—
Class H and R	26.6	80	36.4	78	55.5	83
Class J	19.8	74	19.8	60	31.4	70
Pyramid J	12.3	57	—	—	—	—
Safety J	9.9	47	13.6	42	—	—
Class CC and Midget	7.1	26	10.5*	24	—	—
Modular Fuse Holder	6.6	20	—	—	—	—

* Class CD

100A CUBEFuse™ Fuse And Fuseholder Dimensions – in [mm]



60A CUBEFuse™ Fuse And Fuseholder Dimensions – in [mm]



30A CUBEFuse™ Fuse And Fuseholder Dimensions – in [mm]

