

## Fuse Holders for Low-Peak CUBEFuse Finger-Safe, 1-100A, 600Vac/dc



**Catalog Symbols:** TCFH30N (1-30A)  
TCFH60N (1-60A)  
TCFH100N (1-100A)

**Construction:** Finger-safe

**Mounting:** DIN Rail or panel mount

**Ampacities:** TCFH30N - holds any 1-30A CUBEFuse  
TCFH60N - holds any 1-60A CUBEFuse  
TCFH100N - holds any 1-100A CUBEFuse

**Voltage Rating:** 600Vac/dc

**Withstand Rating:** 300kA RMS Sym. (UL)  
200kA RMS Sym. (CSA)  
100kA DC (UL & CSA)

**Agency Information:**

- UL Listed Fuse Holder: Guide IZLT, File E14853
- CSA Certified Fuse Holder: Class 6225-01, File 47235
- CE compliance for the European Union low voltage directive

**Operating and Storage Temperature Range:** -40 to 80°C

**Material Specifications:**

- Holder case: Glass filled PBT
- Interface clips: Copper alloy
- Interface clip plating: Tin
- Terminals: Steel
- DIN Rail spring: Stainless steel

**Features and Product Benefits**

- Holder for the world's first finger-safe power fuse system.
- Holder and CUBEFuse together deliver Class CF and Class J fuse performance in a time-delay or fast-acting version. See Data Sheet 9000 for time-delay indicating and non-indicating CUBEFuse performance characteristics. See data sheet 2147 for fast-acting CUBEFuse performance characteristics.
- Smallest fuse and holder footprint of any class fuse installation including Class J, CC, T and RK.
- DIN Rail or panel mount for easy installation.
- Holders dovetail together to easily achieve the required number of poles.
- All holders (TCFH30N, TCFH60N and TCFH100N) dovetail together to permit mixing ampacities.
- All holders accept equal and lower amp rated TCF\_ indicating and TCF\_RN non-indicating time-delay CUBEFuse or FCF\_RN fast-acting CUBEFuse - no need for a fuse reducer.
- Dual wire rated terminals for wiring ease.
- High 300kA withstand rating stands up to high fault currents.

**Conductors/Wire Range - 75°C Cu Wire Only**

Holder/ Ampacity	No. of Poles*	Single Wire	Dual Wire
TCFH30N	1	18 to 8 AWG	18 to 10 AWG
TCFH60N	1	18 to 4 AWG	18 to 6 AWG
TCFH100N	1	18 to 1 AWG	6 AWG

\* Holders dovetail together to achieve the desired number of poles for the application.

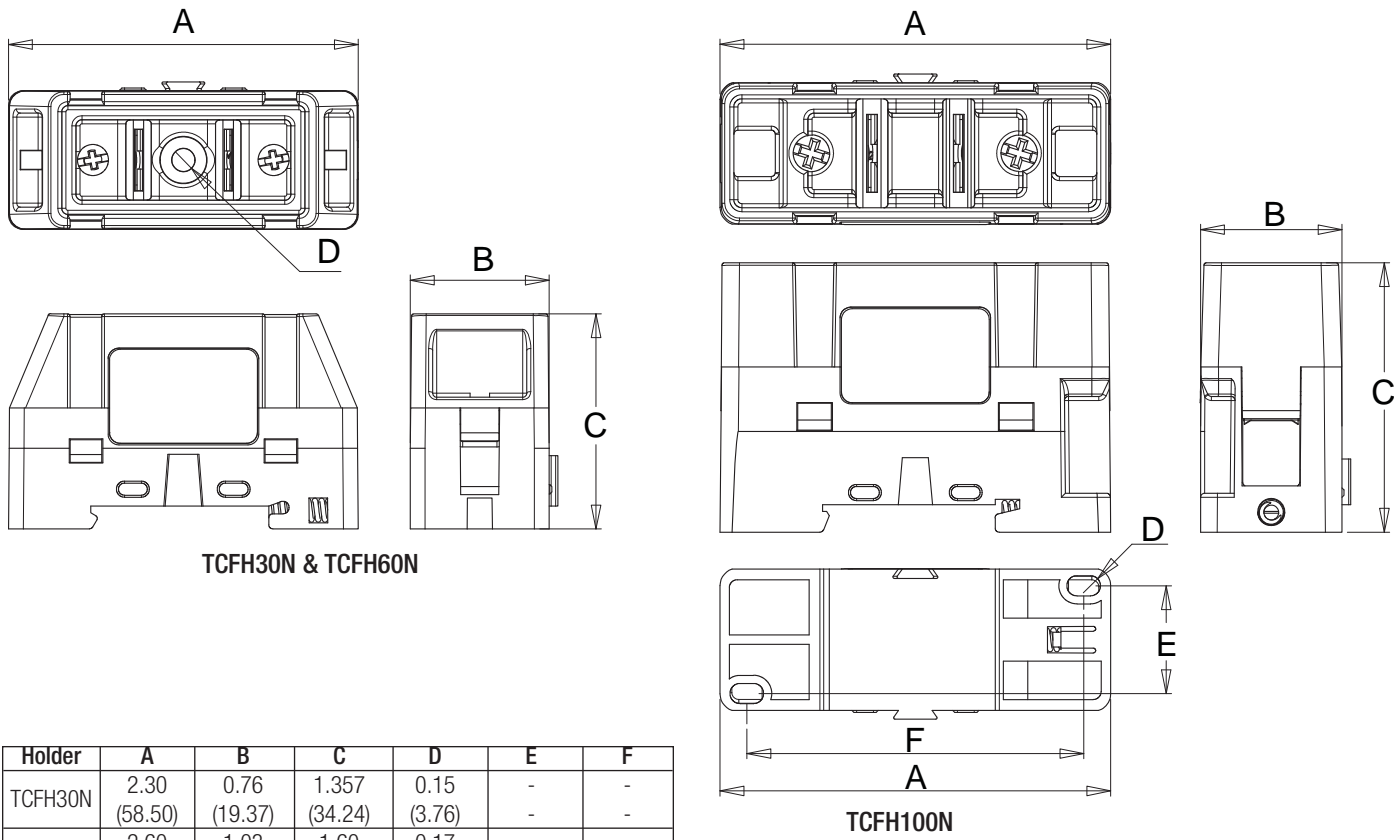
**Carton Quantity and Weight**

Part Number	Carton Qty.	Weight Per Carton	
		lbs	kg
TCFH30N	12	2.42	1.10
TCFH60N	12	2.57	1.17
TCFH100N	6	1.38	0.63

**Terminal Torque Ratings by Conductor and Holder Size (75°C Cu only)**

TCFH30N		TCFH60N		TCFH100N	
Single	Dual	Single	Dual	Single	Dual
10-8 AWG 25lb-in	18-10 AWG 25lb-in	18-10 AWG 20lb-in	18-10 AWG 20lb-in	18-10 AWG 25lb-in	6 AWG 45lb-in
18-12 AWG 20lb-in		8-4 AWG 35lb-in	8-6 AWG 35lb-in	8-1 AWG 40lb-in	

**TCFH Dimensions – in (mm)**



Holder	A	B	C	D	E	F
TCFH30N	2.30 (58.50)	0.76 (19.37)	1.357 (34.24)	0.15 (3.76)	- -	- -
TCFH60N	2.60 (66.12)	1.03 (26.23)	1.60 (40.64)	0.17 (4.34)	- -	- -
TCFH100N	2.91 (73.81)	1.05 (26.74)	2.01 (50.93)	0.15 (3.81)	0.80 (20.39)	2.51 (63.65)

**CUBEFuse Availability and Applications**

The indicating Low-Peak time-delay CUBEFuse (TCF\_) and non-indicating Low-Peak time-delay CUBEFuse (TCF\_RN) are available in amp ratings from 1-100A. See Data Sheet 9000. The non-indicating, fast-acting Low-Peak

CUBEFuse is available in amp ratings from 1-100A. See data sheet 2147. The CUBEFuse is also used in these other Cooper Bussmann circuit protection solutions.



TCF\_100RN

FCF\_100RN



CCP\_CF  
1-, 2- & 3-Pole switched disconnects  
Data Sheet 1157



CCPB  
1-, 2- & 3-Pole disconnects for the Quik-Spec™  
Coordination Panelboard. Data Sheet 1160



CF\_ Quik-Spec™ Safety  
Switch disconnect (optional  
window). Data Sheet 1156

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