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[Eaton \(formerly Cooper Bussmann\)](#)
[TCFH30N](#)

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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.

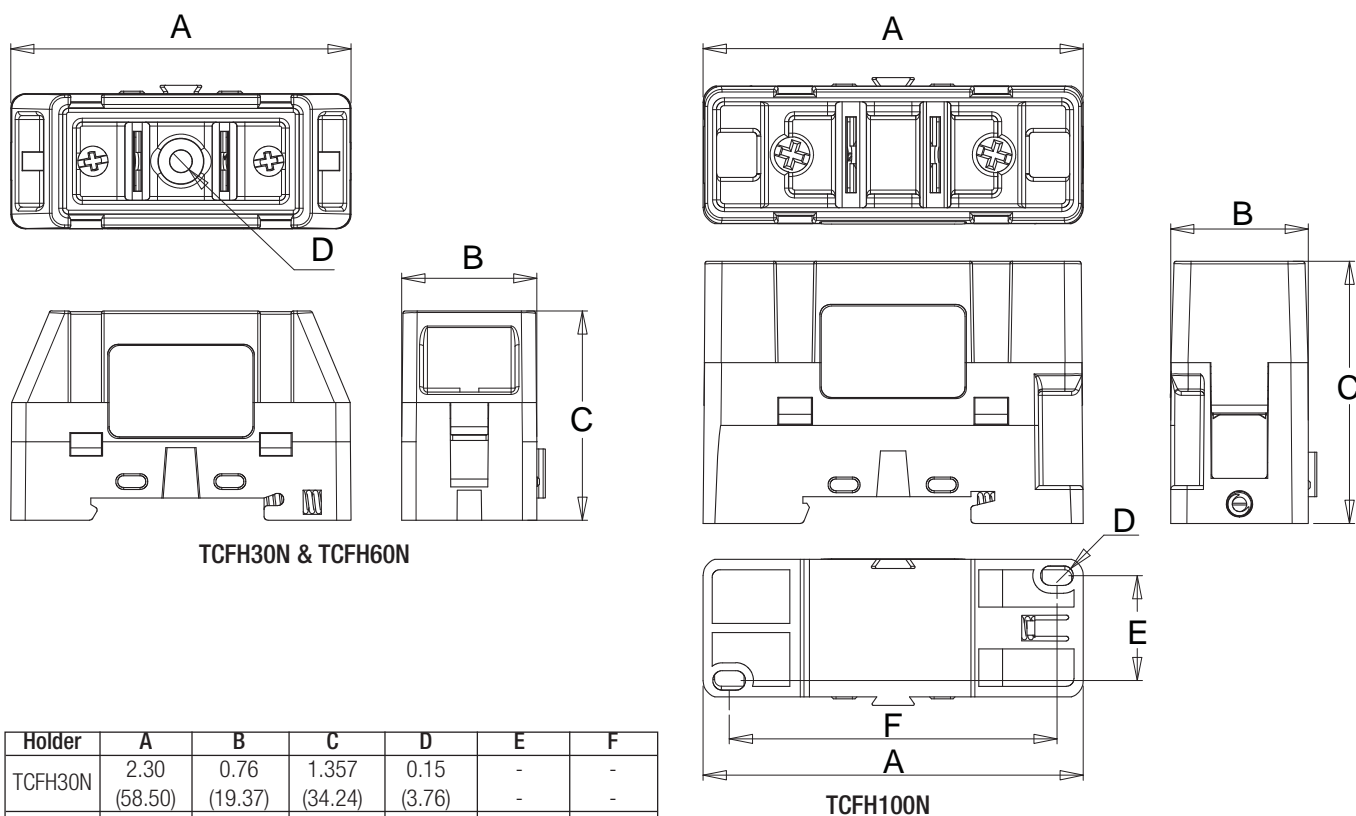
Carton Quantity and Weight

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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