

Finger-safe CUBEFuse holders



Catalog symbols*

- TCFH(amps)N (600 V UL Listed)
- TCFH(amps)NW (690 V UL Recognized)

* Each CUBEFuse holder accepts any CUBEFuse up to its amp rating.

Description

The Bussmann™ series CUBEFuse™ holder is a finger-safe modular system of single-pole 30, 60 and 100 amp holders. All holders are capable of being dovetailed together to create the desired number of poles for the application, including mixed amp ratings. The CUBEFuse holder is available in two versions: the 600 V UL® Listed holders that utilize either the time-delay (TCF) or fast-acting (FCF) CUBEFuse and the 690 V UL Recognized version that utilizes the fast-acting wind CUBEFuse (WCF).

Ratings

- Volts
 - 600 Vac/dc (UL Listed)
 - 690 Vac/dc (UL Recognized)
- Amps
 - 30, 60, 100
- SCCR
 - 300 kA RMS Sym. (UL Listed)
 - 200 kA RMS Sym. (CSA Certified)
 - 100 kA DC (UL Listed and CSA Certified)
 - 50 kA RMS Sym. (UL Recognized)

Agency information

- 600 V UL Listed, Guide IZLT, File E14853
- 690 V UL Recognized, Guide IZLT2, File E14853
- CSA Certified, Class 6225-01, File 47235, cURus component Certified
- CE
- RoHS compliant

Mounting

- 35 mm DIN-Rail
- Panel mount

Operating and storage temperature range

- -40°C to 80°C (-40°F to 176°F)

Catalog no.	Volts	Amps	Accepts fuse amp range
600 V UL Listed			
TCFH30N	600	30	1-30
TCFH60N		60	1-60
TCFH100N		100	1-100
690 V UL Recognized			
TCFH30NW	690	30	1-30
TCFH60NW		60	1-60
TCFH100NW		100	1-100

Features

- Finger-safe construction for enhanced electrical safety
- 30, 60 and 100 amp ratings help prevent overfusing by rejecting higher fuse amp ratings
- Smallest installed fuse and holder footprint of any Class J, T or RK installation
- 35 mm DIN-Rail or panel mount for flexible installation
- All holders dovetail together to create the required number of poles
- All holders accept equal and lower amp-rated TCF_ indicating and TCF_RN non-indicating time-delay or FCF_RN fast-acting CUBEFuse — no need for fuse reducers to install a lower-rated CUBEFuse
- Dual wire rated terminals for wiring ease
- Up to 300 kA SCCR withstands high fault currents

CUBEFuse holder fuse applications

Holder catalog no.	Volts	CUBEFuse type and amp range		
		TCF and TCF_RN	FCF_RN	WCF_RN
TCFH30N	600	1-30	1-30	
TCFH60N		1-60	1-60	—
TCFH100N		1-100	1-100	
TCFH30NW	690			1-30
TCFH60NW		—	—	1-60
TCFH100NW				1-100

Conductor ratings and terminal torques

Ratings are for 75°C Cu AWG solid/stranded conductors. Torque is in N•m (lb-in).

Terminal wire rating	Holder catalog no.		
	TCFH30N / TCFH30NW	TCFH60N / TCFH60NW	TCFH100N / TCFH100NW
Single	10-8 2; 8 (25), 18-12; 2.6 (20)	14-10 2.6 (20), 8-4; 3;.9 (35)	18-10; 2.6 (20)** , 8-1; 4.5 (40)†
Dual	18-10; 2.8 (25)*	18-10; 2.6 (20), 8-6; 3.9 (35)	6 5;.1 (45)†

* 18-10 AWG stranded, 14-18 AWG solid
 **Solid and stranded
 † Stranded

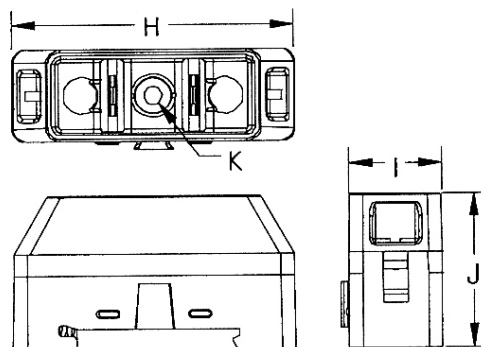
Carton quantity and weight

Amp rating	Qty.	Weight per carton lbs (kg)
30	12	2.42 (1.10)
60	12	2.57 (1.17)
100	6	1.38 (0.63)

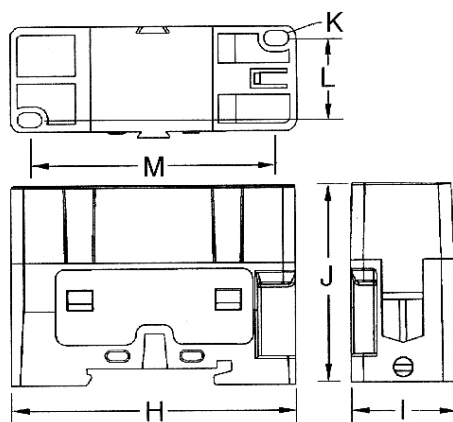


All CUBEFuse holders dovetail together to create the desired number of poles.

Dimensions — in (mm)



30 and 60 amp holders



100 amp holder

Amps	H	I	J	K	L	M	Max height with fuse
30	2.3 (58)	0.76 (19)	1.36 (34)	0.15 (4)	—	—	2.36 (60)
60	2.6 (66)	1.03 (26)	1.60 (41)	0.17 (4)	—	—	2.73 (69)
100	2.91 (74)	1.05 (27)	2.01 (51)	0.15 (4)	0.80 (20)	2.51 (64)	3.27 (83)

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