

UL Class CF CUBEFuse holders



Catalog symbols

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

Description

The Bussmann™ series CUBEFuse™ holder is a finger-safe modular system of single-pole 30, 60, 100, 200, 225 and 400 amp holders. All holders dovetail together to create the desired number of poles for the application, including mixed amp ratings between the 30, 60 and 100 amp holders.

The 200, 225 and 400 amp holders require installing lugs to make conductor connections. These are listed on page 3.

The CUBEFuse holder is available as the 600 V UL® Listed version utilizing the time-delay Low-Peak™ CUBEFuse (TCF up to 400 A) or fast-acting CUBEFuse (FCF up to 100 A), or the 690 V UL Recognized version utilizing the fast-acting wind CUBEFuse (WCF up to 100 A).

Ratings

- Volts
 - 600 Vac / 300 Vdc (UL Listed)
 - 690 Vac (UL Recognized up to 100 A)
- Amps
 - 30, 60, 100, 200, 225, 400 A
- SCCR
 - 300 kA RMS Sym. (30, 60, 100 A UL Listed)
 - 200 kA RMS Sym. (200, 225, 400 A UL Listed)
 - 200 kA RMS Sym. (CSA® Certified 100 A and below)
 - 100 kA DC (UL Listed and CSA Certified 100 A and below)
 - 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 (30, 60 and 100 A holders)
- CE (100 A and below)
- RoHS compliant

Mounting

- 35 mm DIN-Rail/panel (Up to 100 A)
- Panel mount (200 to 400 A)

Operating and storage temperature range

- -40°C to 80°C (-40°F to 176°F)

Catalog no.	Max holder amps	Fuse amp range
600 V UL Listed		
TCFH30N	30	1-30
TCFH60N	60	1-60
TCFH100N	100	1-100
TCFH200N	200	110-200
TCFH225N	225	110-225
TCFH400N	400	110-400
690 V UL Recognized		
TCFH30NW	30	1-30
TCFH60NW	60	1-60
TCFH100NW	100	1-100

Features

- Finger-safe construction for enhanced safety*
- Amp rating rejection helps prevent overfusing by rejecting higher fuse amp ratings
- Smallest installed fuse and holder footprint of any Class J or R installation
- All holders dovetail together to create the required number of poles, mixed 30, 60 and 100 A holders dovetail together
- 30, 60 and 100 A holders have dual wire rated box lug terminals for wiring ease
- 200, 225 and 400 A holders available with a variety of lugs and terminal shrouds for application flexibility
- Up to 300 kA SCCR withstands high fault currents

* 200, 225 and 400 A holders require installed shrouds.

30, 60 and 100 A 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 torque for 30, 60 and 100 A holders

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	8-10; 2.8 (25), 12-18; 2.6 (20)	10-14; 2.6 (20), 4-8; 3.9 (35)	10-18; 2.6 (20)** , 1-8; 4.5 (40)†
Dual	10-18; 2.8 (25)*	10-18; 2.6 (20), 6-8; 3.9 (35)	6; 5.1 (45)†

* 10-18 AWG stranded, 14-18 AWG solid

**Solid and stranded

† Stranded

Carton quantity and weight

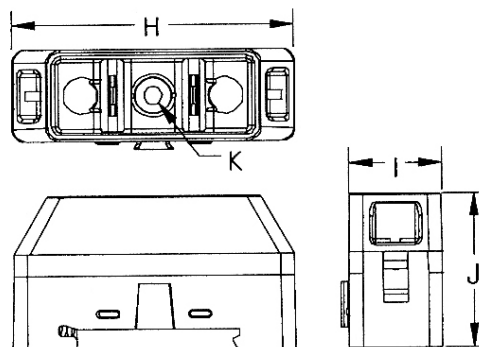
Amp rating	Qty.	Weight per carton lb (kg)
30	12	2.42 (1.10)
60	12	2.57 (1.17)
100	6	1.38 (0.63)



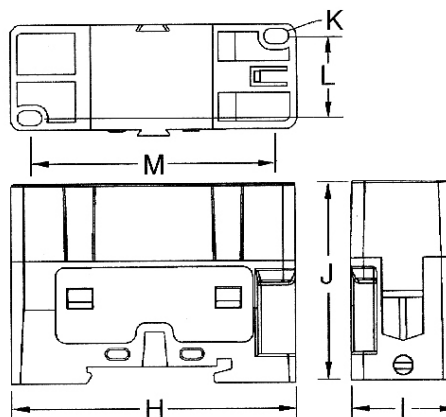
All 30, 60 and 100 A CUBEFuse holders dovetail together to create the desired number of poles. Each holder accepts CUBEFuse amp ratings up to its rating. E.g., the 60 amp holder will accept a CUBEFuse from 1 to 60 A.

Recommended Bussmann series fuses

Type	Amp range	Data sheet
600 volt UL Listed		
Time-delay indicating Low-Peak™	6-100 A	9000
Time-delay non-indicating Low-Peak	1-100 A	
Fast-acting non-indicating	1-100 A	2147
690 volt UL Recognized		
Fast-acting wind power	1-100 A	9009

**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)