



Fast-acting wind protection with up to a 80% smaller footprint



Bussmann series wind CUBEFuse is finger-safe and delivers superior protection with up to a 80% smaller footprint.

Product description:

Eaton's Bussmann™ series wind CUBEFuse™ maximizes uptime and reliability. The industry-first finger-safe CUBEFuse is UL® 248 Recognized, and delivers a faster response to damaging faults.

What's more, the wind CUBEFuse features a smaller compact footprint to save panel space.

Features and benefits:

- Fast-acting 690 volt CUBEFuse is specifically designed to protect low-fault current conditions that occur in wind power generation systems.
- Finger-safe feature minimizes exposure to live parts to reduce hazard to personnel and utilizes the integral 690 volt CUBEFuse holder to minimize footprint.
- UL 248 Recognized for low voltage fuses.

Wind CUBEFuse holders:



All 690V 100, 60 and 30A wind CUBEFuse holders can dovetail together for the required number of poles.

RoHS

Specifications

Catalog symbol:

- WCF_RN

Description:

- Finger-safe, fast-acting CUBEFuse for wind power generation

Electrical characteristics:

- Maximum clearing time at 200% rated current
 - 4 minutes for 1 to 30A fuses
 - 6 minutes for 35 to 60A fuses
 - 8 minutes for 70 to 100A fuses

Ratings:

- Volts
 - 690Vac
- Amps
 - 1-100A
- IR
 - 50kA AC (1-60A)
 - 30kA AC (70-100A)

Agency Information:

- UL Recognized Fuse: Guide JFHR, File E56412
- cURus component certified C22.2
- CE
- RoHS compliant

Other ratings/ specifications:

- Watts loss at rated current
 - WCF15RN: 3.48W
 - WCF30RN: 5.45W
 - WCF 60RN: 7.27W
 - WCF100RN: 11.50W

Operating and Storage Temperature:

- Range
 - -40°C to 90°C

Material Specifications:

- Glass filled PES (polyethersulfone) case
- Terminals copper alloy
- Terminal plating electroless tin

Installation:

- Fits 690V WCF holders as listed in the table below

Application:

- Wind systems
 - Transformer protection
 - Pitch and speed control
 - Turbine HVAC and lighting

Wind CUBEFuse holders

Catalog numbers (amps)	Fits 690V wind CUBEFuse holder		
	TCFH30NW	TCFH60NW	TCFH100NW
WCF1RN	X	X	X
WCF3RN	X	X	X
WCF6RN	X	X	X
WCF10RN	X	X	X
WCF15RN	X	X	X
WCF20RN	X	X	X
WCF25RN	X	X	X
WCF30RN	X	X	X
WCF35RN	-	X	X
WCF40RN	-	X	X
WCF50RN	-	X	X
WCF60RN	-	X	X
WCF70RN	-	-	X
WCF90RN	-	-	X
WCF100RN	-	-	X

Wind CUBEFuse holders



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Printed in USA
Publication No. 3211
March 2017

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