

Enclosed UL 98 fused disconnect switches utilizing the Compact Circuit Protector



Features and benefits

- Compact (both CCP and enclosure) for installation ease.
- NEMA 1, 3R, 4, 4X and 12 enclosures meet most application demands.
- Door/handle interlock feature helps prevent opening the enclosure while the switch is energized
- Front rotary handles for easy switch operation.
- All disconnects feature a fuse/switch interlock that prevents removing or installing fuses while the switch is energized.
- 30, 60 and 100 A disconnects feature an amp rating rejection feature that prevents a fuse of a higher rating from being installed.
- Class CC and CF CUBEFuse replacements are readily available from major electrical distributors.
- Handles accept up to three 1/4" locks for greater safety and compliance with lockout/tagout maintenance requirements.
- Handles are defeatable for unique maintenance procedures and can be configured for lock-on, if needed.
- CCP with either Class CC or Class CF fuses provides a 200 kA SCCR to withstand high fault currents.
- 30, 60 and 100 A switches utilizing the UL Class CF CUBEFuse with 200 kA interrupting ratings withstand virtually any fault current level.
- CCP is horsepower rated to serve as a motor disconnect means.*
- Easily applied as an "in-sight disconnect means" for compliance with NEC®110.9.

* Not all applications carry a UL horsepower rating

Catalog symbols

- ER01_ NEMA 1 enclosure
- ER3R_ NEMA 3R enclosure
- ER04_ NEMA 4 enclosure
- ER4X_ NEMA 4X stainless enclosure
- ER4P_ NEMA 4X plastic enclosure
- ER12_ NEMA 12 enclosure

Description

Bussmann™ series UL® 98 fused disconnects utilize the Bussmann series Compact Circuit Protector switch. With ratings up to 600 Vac and 30, 60 and 100 A, these disconnects feature a 200 kA SCCR in a compact footprint and enclosures ratings to meet a wide variety of application needs.

Available with black/gray or red/yellow handles, the 30, 60 and 100 amp switches come in 2- and 3-pole versions.



Powering Business Worldwide

Enclosed UL 98 fused disconnect catalog numbers

Amps	UL fuse class	Poles	Handle color	Enclosure rating					
				NEMA 1	NEMA 3R	NEMA 4	NEMA 4X Stainless	NEMA 4X plastic	NEMA 12
30	CC	3	Black/gray	ER01-030CC3PB	ER3R-030CC3PB	ER04-030CC3PB	ER4X-030CC3PB	ER4P-030CC3PB	ER12-030CC3PB
			Red/yellow	ER01-030CC3PR	ER3R-030CC3PR	ER04-030CC3PR	ER4X-030CC3PR	ER4P-030CC3PR	ER12-030CC3PR
		2	Black/gray	ER01-030CC2PB	ER3R-030CC2PB	ER04-030CC2PB	ER4X-030CC2PB	ER4P-030CC2PB	ER12-030CC2PB
			Red/yellow	ER01-030CC2PR	ER3R-030CC2PR	ER04-030CC2PR	ER4X-030CC2PR	ER4P-030CC2PR	ER12-030CC2PR
30	CF	3	Black/gray	ER01-030CF3PB	ER3R-030CF3PB	ER04-030CF3PB	ER4X-030CF3PB	ER4P-030CF3PB	ER12-030CF3PB
			Red/yellow	ER01-030CF3PR	ER3R-030CF3PR	ER04-030CF3PR	ER4X-030CF3PR	ER4P-030CF3PR	ER12-030CF3PR
		2	Black/gray	ER01-030CF2PB	ER3R-030CF2PB	ER04-030CF2PB	ER4X-030CF2PB	ER4P-030CF2PB	ER12-030CF2PB
			Red/yellow	ER01-030CF2PR	ER3R-030CF2PR	ER04-030CF2PR	ER4X-030CF2PR	ER4P-030CF2PR	ER12-030CF2PR
60	CF	3	Black/gray	ER01-060CF3PB	ER3R-060CF3PB	ER04-060CF3PB	ER4X-060CF3PB	ER4P-060CF3PB	ER12-060CF3PB
			Red/yellow	ER01-060CF3PR	ER3R-060CF3PR	ER04-060CF3PR	ER4X-060CF3PR	ER4P-060CF3PR	ER12-060CF3PR
		2	Black/gray	ER01-060CF2PB	ER3R-060CF2PB	ER04-060CF2PB	ER4X-060CF2PB	ER4P-060CF2PB	ER12-060CF2PB
			Red/yellow	ER01-060CF2PR	ER3R-060CF2PR	ER04-060CF2PR	ER4X-060CF2PR	ER4P-060CF2PR	ER12-060CF2PR
100	CF	3	Black/gray	ER01-100CF3PB	ER3R-100CF3PB	ER04-100CF3PB	ER4X-100CF3PB	ER4P-100CF3PB	ER12-100CF3PB
			Red/yellow	ER01-100CF3PR	ER3R-100CF3PR	ER04-100CF3PR	ER4X-100CF3PR	ER4P-100CF3PR	ER12-100CF3PR
		2	Black/gray	ER01-100CF2PB	ER3R-100CF2PB	ER04-100CF2PB	ER4X-100CF2PB	ER4P-100CF2PB	ER12-100CF2PB
			Red/yellow	ER01-100CF2PR	ER3R-100CF2PR	ER04-100CF2PR	ER4X-100CF2PR	ER4P-100CF2PR	ER12-100CF2PR

Switch catalog numbers and horsepower ratings†

Catalog no.	Poles	Amps	Volts	SCCR	Max horsepower rating (Vac)			
					120	240	480	600
30 amp Class CC								
CCP2R-2-30CC	2	30	600 Vac	AC: 200 kA, DC: 20 kA	—	2	—	—
CCP2R-3-30CC	3				3/4	3	5	7.5
30 amp Class CF								
CCP2R-2-30CF	2	30	600 Vac/125 Vdc	AC: 200 kA, DC: 100 kA	—	3	—	—
CCP2R-3-30CF	3		600 Vac		—	5	15	10
60 amp Class CF								
CCP2R-2-60CF	2	60	600 Vac/125 Vdc*	AC: 200 kA, DC: 100 kA	—	7-1/2	—	—
CCP2R-3-60CF	3		600 Vac		—	7-1/2	20	10
100 amp Class CF								
CCP2R-2-100CF	2	100	600 Vac/125 Vdc*	AC: 200 kA, DC: 100 kA	—	10	—	—
CCP2R-3-100CF	3		600 Vac		—	20	50	40

† For more information, see data sheet 10789 for the Class CC switches and data sheet 10801 for Class CF switches.

* 125 Vdc for installed fuse amp ratings up to 40 A. 24 Vdc for installed fuse amp ratings from 45 to 60 A.

Enclosure agency information

- UL Listed, Guide NITW, File E170282

Enclosed CCP agency information

UL Class CC fuse versions

- UL 98 Listed, Guide WHTY, File E302370
- cULus to Canadian Standard 22.2 No. 4-04, UL Guide WHTY7, File 302370
- RoHS compliant

For details, see data sheets:

- 10789 for Class CC switches
- 10801 for Class CF CUBEFuse switches

Enclosure Dimensions

UL fuse class	Amp range	H x W x D (in)
CC	30	10x8x6
CF	30	
	60	
CF	100	10x8x8

Available Bussmann series fuses

UL fuse class	Amp range	Type	Catalog symbol	Data sheet
CC	1/2-30	Time-delay	LP-CC	1023
	1/4-30	Time-delay	FNQ-R	1014
	1/10-30	Fast-acting	KTK-R	1015
CF	1-100	Time-delay, non-indicating	TCF_RN	9000
	6-100	Time-delay indicating	TCF_	

30 and 60 A switch box lug terminal conductor data

Wire type	AWG range	Class	Quantity	Torque N•m (lb-in)
30 A Class CC switches				
75°C Cu	4-18	Stranded, Class B to K	Single	2.26 (20)
	6-8	Stranded, Class B/C	Dual	3.39 (30)
	6-8	Stranded, Class K	Dual	2.26 (20)
	10-18	Stranded, Class B to K		
	10-18	Solid	Single/dual	
	4-18	Stranded, UL ferrule, Class B/C	Single	3.39 (30)
	6-18		Twin†	
	4-18	Stranded, UL ferrule, Class K	Single	2.82 (25)
6-18	Twin†			
75°C Al	4-8	Stranded	Single	2.26 (20)
	6		Dual	2.82 (25)
	8			2.26 (20)
30 and 60 A Class CF switches				
75°C Cu	4-6	Stranded, Class B to K	Single	3.95 (35)
	8-18			2.26 (20)
	6-8	Stranded, Class B/C	Dual	3.39 (30)
	10-18			
	10-18	Stranded, Class B to K	Single/dual	2.26 (20)
	10-18	Solid		
	4-18	Stranded, UL ferrule, Class B/C	Single	3.39 (30)
	6-18		Twin†	
	4-18	Stranded, UL ferrule, Class K	Single	2.82 (25)
	6-18		Twin†	

† Two stranded conductors placed in one UL Listed twin ferrule.

Lineside and loadside fork terminal

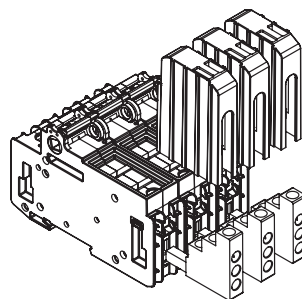
- Fork terminal suitable for line, load or accessory connection, max. 30 A suitable for use with:
 - 10-24 screw for 30 and 60 A switches
 - 1/4-28 screw for 100 A switches

Wire type	AWG range	Class	Quantity	Torque N•m (lb-in)		
100 A switches						
75°C Cu	12-18	Stranded, Class B/C	Single	2.26 (20)		
	10			2.82 (25)		
	8			4.52 (40)		
	4-6			5.08 (45)		
	1-3			6.21 (55)		
	4-12			Dual	5.08 (45)	
	12-18			Stranded, UL ferrule, Class B/C	Single	2.26 (20)
	10					3.95 (35)
	1-8					4.52 (40)
	10-18					Twin†
	6-9	Solid	Single/Dual	2.82 (25)		
	10-18			2.26 (20)		
	8-18	Class K	Single	2.26 (20)		
	1-7			3.39 (30)		
3-10	Dual			5.08 (45)		
8-18	Class K, UL ferrule	Single	2.26 (20)			
1-7			3.39 (30)			
6-18			Twin	2.26 (20)		

Available multi-wire lug kit and conductor ratings

Catalog no.	Description	Lugs per cat. no.	Wire range AWG (mm ²)	Wire type/temp.
All 30 and 60 A switches				
CCP2-MW1-3	3-port multi-wire lug kit with shrouds	3	4-14 (25-2.5)†	Cu/Al 75°C†
100 A switches				
CCP2-MW1-6	6-port multi-wire lug kit with shrouds	3	4-14 (25-2.5)	Cu/Al 75°C†

† Conductor material (Cu or Al), conductor class, single/dual per port and torque varies. See data sheet 10801 for details.



Available multi-wire lug kit extends application flexibility and reduce component count by combining the switch and power distribution block into one, finger-safe unit.

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