

Fusible Disconnect Switches FB Series

UL 98 Fusible Disconnect Switches

Mersen FB Series disconnect switches are extremely durable, manually operated, fusible disconnect switches. They employ double break contacts per pole that ensure complete isolation of the fuse when the switch is in the OFF position. With safety in mind, all fusible disconnect switches are supplied with fuse covers and line side shrouding as a standard feature. These switches provide the ultimate in short circuit protection when used with Mersen's Class CC, J or L fuses. These heavy-duty switches are designed with the most up-to-date disconnect fuse and switch technology available. Designed to meet the UL98 or UL489 standard, the fusible disconnect switch gives you the product that "makes and breaks" power circuits under load. They have been tested and approved for use in the most demanding applications, such as "Service Entrance." The optional TEST function (up to 400 A) enables testing of the control circuit auxiliaries without switching the main contacts. This function provides a simple alternative to a separately wired push button. A wide array of handles are available to meet OSHA padlocking requirements, NEMA configurations, defeater options and NFPA 79 requirements.

Highlights:

- Double break contact per pole up to 800 A
- Touch safe covers protect fuse terminals
- Service entrance rated
- Compact footprints
- Front and side operated switches with snap-on auxiliary contact feature
- 14AWG power taps on both line and load sides for control power transformers or surge protection
- External or direct operation handles
- Defeatable pistol handles automatically re-latch when panel door is closed - no tool necessary to reset latch
- Test positions available up to 400A
- Padlocking feature as standard on modular switchgear boxes
- Modular switch configurations, special executions on request (5-pole, mix ratings...)
- Padlockable handle
- Flange-mounted actuators

Applications:

- Service entrance or main panel disconnects up to 600 VAC, 800 A
- "Make and break" power circuit applications on load
- Fusible isolation switches
- NFPA 79 solutions

Recommended fuse usage:

- FBCC — use with ATDR*, ATMR, ATQR
- FBJ — use with AJT, A4J, HSJ
- FBL — use with A4BQ, A4BY, A4BT

* Recommended for DC application



Ratings:

- Volts** : 600VAC, 250VDC
- Amps** : 30, 60, 100, 200, 400, 600, and 800A
- SCCR** : Up to 200kA with Class CC, J, or L Fuses

Approvals:

- All Fusible Disconnect Switch switches meet UL & CSA requirements
- UL listed guide WHTY, File E191605 for UL 98 (ratings from 30 A to 800 A)
- UL listed guide WJAZ, File E258428 for UL489 (for 30 A CDT)
- CSA 22.2 # 4, class 4652-04, File703166 (ratings from 30 A to 800 A)
- CSA 22.2 # 5, class 4652-06, File 703166 (for 30 A CDT)
- IEC 947-3 CE mark



Fusible Disconnect Switches FB Series

Front and Side Operated Range from 30 to 60A



Select a switch

Ampere Rating	Catalog Numbers			
	30	30	30	60
2-Pole			FBJ302X	FBJ602X
3-Pole	FBCC30CDT	FBJ30CDT	FBJ303X	FBJ603X
4-Pole	FBCC30SNCDT	FBJ30SNCDT	FBJ304X	FBJ604X
Fuse class	CC	J	J	J

Selector handle for external front operation



Select a handle

NEMA Type	IEC	Test Function	Color	Catalog Numbers			
1, 3R, 12	IP54	No	Black	HSPB	HSPB	HSPBL	HSPBL
1, 3R, 12	IP54	No	Red / Yellow	HSPR	HSPR	HSPRL	HSPRL
1, 3R, 12, 4, 4X	IP65	No	Black	HSPB4	HSPB4	HSPB4L	HSPB4L
1, 3R, 12, 4, 4X	IP65	No	Red / Yellow	HSPR4	HSPR4	HSPR4L	HSPR4L
1, 3R, 12, 4, 4X	IP65	Yes	Black	HSPB4T	HSPB4T	HSPB4LT	HSPB4LT
1, 3R, 12, 4, 4X	IP65	Yes	Red / Yellow	HSPR4T	HSPR4T	HSPR4LT	HSPR4LT

Note: handle is defeatable, and is padlockable in the "OFF" position.

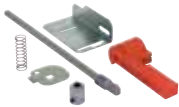


Select a shaft

Shaft Length (in/mm)	Catalog Numbers			
7.9 / 200	SS200-5	SS200-5	SS200-10	SS200-10
12.6 / 320	SS320-5	SS320-5	SS320-10	SS320-10
15.7 / 400	SS400-5	SS400-5	SS400-10	SS400-10
19.7 / 500	-	-	SS500-10*	SS500-10*

* Not UL

NFPA 79 Front Operation Kit



Select a kit

	Catalog Numbers			
NFPA 79 Front Operation Kit	HADB6	HADB6	NFPA791	NFPA791

Note: allows to operate & padlock the switch when door of enclosure is open. For full information on NFPA79 requirements and on our solution, please consult P42 of this Advisor Catalog.

Options for external front and side operation



	Catalog Numbers			
Terminal Lugs Kit (for 2, 3 and 4 pole switches)	integral	integral	integral	integral
Terminal Shrouds (for 2, 3 and 4 pole switches)	integral	integral	integral	integral
Shorting Links Kit (3 links per Kit)	CCNL30	JNL30	JNL30	SL60
Direct Front Operation Handle	HADB1	HADB2	3629 7910	3629 7910
Auxiliary contact				
Auxiliary contact block holder	ACHCD	ACHCD	-	-
1 N / O, 10A, 600VAC snap-on contact block, A600-Q600 ⁽¹⁾	AC3	AC3	AC3	AC3
1 N / C, 10A, 600VAC snap-on contact block, A600-Q600 ⁽¹⁾	AC4	AC4	AC4	AC4
1 NO + NC side mount contact block, A600-N600 ⁽²⁾	-	AC5	AC5	AC5
2 NO + NC side mount contact blocks, A600-N600 ⁽²⁾	-	AC6	AC6	AC6

(1) Compact Design Fusible Disconnect Switch accommodates up to 4 auxiliary contacts for FBCC30CDT and FBCC30SNCDT and up to 2 auxiliary contacts for FBJ30CDT and FBJ30SNCDT on the switch.

(2) Two auxiliary contact blocks maximum can be side mounted.

Note: For class T fuse adaptors, please consult us.