

Fusible Disconnect Switches

UL 98 and IEC Fusible Disconnect Switches

Mersen's fusible disconnect switches are listed to UL 98 and bear the CE mark as conformance to IEC 60947-3. They are "service entrance" devices capable of fully rated load-break and load-make. While long-term safety, reliability, and functionality are always paramount in the design of our products, these switches are also engineered to have the smallest footprint. The modular design allows placement of the handle anywhere amongst the poles. The fuse doors cannot open when the switch is in the "ON" position, and all switches are double-break, which isolates both fuse clips from voltage during fuse replacement. The switches' "Test" position allows actuation of the auxiliary contacts without main power. Power taps enable energizing a CPT or surge device without the need for a separate terminal block.

A wide range of ergonomic handles are available, as are all manner of accessories.

Highlights:

- Multiple Configurations
- Power taps
- Adjustable shaft depth
- Fuse monitoring
- Interlocked fuse doors

Applications:

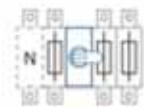
- Main disconnects
- Short circuit protection
- Electrical isolation
- Overcurrent protection
- Safety switch

Configurations

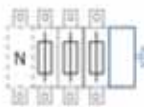


At the end of the switch fuse
Mxxx03, 04, 30, or 40, S, N

Between the poles
Mxxx12, 22, 22N, S



Side operated types
Mxxx03, 04, 30, or 40, S, N



Catalog Number Designation

		M	30	J	3	0	—	S
Switch	M = Mersen AC Switch MD = Mersen DC Switch							
Ampacity	16 to 1200)							
Type	Blank = non-fused UL508 U = non-fused UL98 J = J fused F = NFC fused	E = IEC non-fused CC = CC fused D = DIN fused B = BS-88 fused L = L Fused						
Number of Poles/Left side of Handle	AC: 0, 1, 2, 3, 3N, 4, etc. (N = neutral) DC: 0, 1, 2, 3, 4							
Number of Poles/Right side of Handle	AC: Blank = < 200A non-fused, 0, 1, 2, 3, 3N, 4, etc. (N = neutral) DC: Blank = < 100A, 0, 1, 2, 3, 4							
Revision	Blank = 0							
Special Configurations	S = side-operated CH = Changeover	DM = door-mounting N = Non-fused switched Neutral						



Ratings UL:

Volts : 600VAC
Amps : 30, 60, 100, 200, 400, 600, 800, and 1200A
SCCR : Up to 200kA with Class CC, J, or L Fuses

Ratings IEC:

Volts : 690VAC
Amps : 25, 50, 63, 125, 160, 200, 250, 400, 630, 800, and 1250A

Approvals:

- All Fusible Disconnect Switch switches meet UL & CSA requirements
- UL listed guide WHTY, File E191605 for UL 98 (ratings from 30A to 1200A)
- IEC 60947-3



UL 98 Fusible Disconnect Switches

Front and Side Operated



M30CC12
30A, CC fused, 3-pole with pole on left side of handle and 2 poles on right side



M60J30
60A, J fused, with 3 poles on left side of handle



M63D30S
63A, DIN fused, with 3 poles on left side of handle, side operated

Switch Body

Ampere Rating	30	60	100	200
Base Part #	M30	M60	M100	M200
Fuse Type	CC, J	J	J	J
3-pole Configuration	12, 30S	12, 30, 30S	12, 30, 30S	12, 30
4-pole Configuration	22, 40, 40S	22, 40, 40S	22, 40, 40S	22, 40
3-p w/neutral	22N, 40SN	22N, 40SN	22N, 40SN	22N, 40SN

S = Side operated; N = Switched Neutral

(Direct Side Operated Handles are included with 'S' option)

Handles



Switch Body Ampere Rating	30	60	100	200
Direct Front Operation				
	HDF30	HDF200	HDF200	HDF200
External Front Operation - Pistol Style				
NEMA 1, 3R, 12, IP65	HB45	HB65	HB65	HB65
NEMA 4, 4X	HB45X	HB65X	HB65X	HB65X

B=Black. Substitute 'R' for 'B' if a red handle is desired. Ex. HR45

Shafts



Shafts				
Shaft	SPA__	SPA__	SPA__	SPA__
Lengths: 130, 210, 290, 360, 430 Ex. SPA130				
Terminal Lugs				
6 per package	Integral	Integral	LUG100 (#14 - 2/0)	LUG200 (#6 - 300MCM) LUG206 (6 x (#14 - #6))

Accessories



OA3G01
OA1G10

OEA28

Terminal Shrouds				
3-pole	Integral	Integral	TSF160-13	TSF200-13
4-pole	Integral	Integral	TSF160-14	TSF200-14

Auxiliary Contacts				
NO	OA1G10, w/OSZ4	OA1G10	OA1G10	OA1G10
NC	OA3G01, w/OSZ4	OA3G01	OA3G01	OA3G01
NO, between poles	OA4B1C		OA4B1C	OA4B1C
Mounting plate OA1G10/OA3G01	OSZ4	Not needed	Not needed	Not needed
Module for 8 aux. contacts	OEA28	OEA28	OEA28	OEA28

Flange Operation				
Flange operation Mechanism	FOM2	FOM3 (M60J12), FOM4 (M60J30)	FOM4	FOM4
NEMA 4X Flange handle for cable operation	FHC4X	FHC4X	FHC4X	FHC4X
NEMA 3R Flange handle for cable operation	FHC12	FHC12	FHC12	FHC12
Flex cable flange oper 36 inch	CABLE36	CABLE36	CABLE36	CABLE36
Flex cable flange oper 60 inch	CABLE60	CABLE60	CABLE60	CABLE60

IEC Fusible Disconnect Switches

Front and Side Operated



M100J30
100A, J fused, 3-pole with
3 poles on left side of handle



M200J30
200A, J fused, with
3 poles on left side of handle

Switch Body

Ampere Rating	25	50	125	63	160	200	250
Base Part #	M25	M50	M125	M63	M160	M200	M250
Fuse Type	F	F	F	D	D	D	D
3-pole Configuration	12, 30S	03, 30S	12,30,30S	03,30S	12,30,30S	12,30,30S	12,30,30S
4-pole Configuration	22, 40S	22, 40S	22, 40, 40S	22, 40S	22,40,40S	22,40,40S	22,40,40S
3-p w/neutral	22N, 40SN	22N, 40SN	22N, 40SN	22N, 40SN	22N, 40SN	22N, 40SN	22N, 40SN
Fuse Size	10x38	14x51	22x58	000	00	0	0-1

Handles



Switch Body Ampere Rating	25	50	125	63	160	200	250
Fourth Pole							
Fusible Fourth Pole						4PD300	4PD250
Direct Front Operation							
	HDF30	HDF200	HDF200	HDF200	HDF200	HDF250T	HDF250T

(Direct Side Operated Handles are included with 'S' option)

External Front Operation - Pistol Style							
NEMA Type 1, 3R, 12, IP65	HB45/65	HB45/65	HB65	HB65	HB65	HB65	HB65
NEMA Type 4, 4X	HB45X	HB45X	HB65X	HB65X	HB65X	HB65X	HB65X

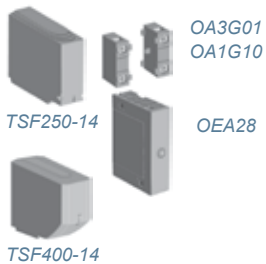
B=Black. Substitute 'R' for 'B' if a red handle is desired. Ex. HR45

Shafts



External Right-Side Operation - Pistol Style							
NEMA 1, 3R, IP65	HB65S	HB65S	HB65S	HB65S	HB65S	HB65S	HB65S

Accessories



Shafts							
	SPA__	SPA__	SPA__	SPA__	SPA__	SPA__	SPA__

Lengths: 130, 210, 290, 360, 430 Ex. SPA130

Terminal Shrouds							
3-pole			TSF160-13		TSF160-13	TSF200-13	TSF250-13
4-pole			TSF160-14		TSF160-14	TSF200-14	TSF250-14

Auxiliary Contacts							
NO, use with OSZ4	OA1G10	OA1G10	OA1G10	OA1G10	OA1G10	OA1G10	OA1G10
NC, use with OSZ4	OA3G01	OA3G01	OA3G01	OA3G01	OA3G01	OA3G01	OA3G01
NO, between poles	OA4B1C						
Mounting plate OA1G10/OA3G01	OSZ4	Not needed	Not needed	Not needed	Not needed	Not needed	Not needed
Module for 8 aux. contacts	OEA28	OEA28	OEA28	OEA28	OEA28	OEA28	OEA28

UL 98 Fusible Disconnect Switches

Front and Side Operated



M400E03
400A, J fused, 3-pole with 3 poles on left side of handle



M630D12
630A, DIN fused, with 1 pole on left side of handle and 2 poles on right side



M800J22N
800A, J fused, with 1 pole and one neutral on left side of handle and 2 poles on right

Switch Body

Ampere Rating	400	600	630	800	1200
Base Part #	M400 (UL 98 & IEC)	M600 (UL 98)	M630 (IEC)	M800 (UL 98 & IEC)	M1200 (UL 98)
Fuse Type	J, D	J	D	L, D	L
3-pole Configuration	12, 30	12, 30	12, 30	12, 30	12, 30
4-pole Configuration	22, 40	22, 40	22, 40	22, 40	22, 40
3-p w/neutral	22N, 40SN	22N, 40SN	22N, 40SN	22N, 40SN	22N, 40SN

Handles



Direct Front Operation					
	HDF400	HDF800T	HDF800T	HDF800T	HDF1250T

External Front Operation - Pistol Style					
NEMA Type 1, 3R, 12, IP65	HB95	HB145	HB145	HB274	HB274
NEMA Type 4, 4X	HB95X	HB145X	HB145X	HB274X	HB274X

Shafts					
Shaft	SFB__	SFB__	SFB__	SFB__	SFB__
Lengths: 280, 325, 395mm Ex. SFB280					

Shafts



Terminal Lugs					
6 per pkg	LUG400 #2 - 600MCM		LUG800 2 x #2 600MCM	LUG800 2 x #2 600MCM	LUG1200 4 x 750MCM
6 per pkg	LUG406 #14 -#6				

Accessories



OA1G01
OA1G10



OEA28



TSF400-14

Terminal Shrouds					
3-pole	TSF400-13	TSF800-13	TSF800-13	TSF800-13	TSF1200-13
4-pole	TSF400-14	TSF800-14	TSF800-14	TSF800-14	TSF1200-14

Auxiliary Contacts					
Normally open	OA1G10	OA1G10	OA1G10	OA1G10	OA1G10
Normally closed	OA3G01	OA3G01	OA3G01	OA3G01	OA3G01
Module for 8 aux. contacts	OEA28	OEA28	OEA28	OEA28	OEA28

IEC Fusible Disconnect Switches

Front and Side Operated



M400E03
400A, J fused, 3-pole with 3 poles on left side of handle



M630D12
630A, DIN fused, with 1 pole on left side of handle and 2 poles on right side



M800J22N
800A, J fused, with 1 pole and one neutral on left side of handle and 2 poles on right

Switch Body

Ampere Rating	400	630	800	1250
Base Part #	M400 (UL 98 & IEC)	M630 (IEC)	M800 (UL 98 & IEC)	M1200 (UL 98)
Fuse Type	J, D	D	D	D
3-pole Configuration	12, 30	12, 30	12, 30	12, 30
Fuse Size	0-2	3	3	4

Handles



Fourth Pole				
Fusible Fourth Pole	4PD400	4PD800	4PD800	4PD1250

Direct Front Operation				
	HDF400T	HDF800T	HDF800T	HDF1250T

External Front Operation - Pistol Style				
NEMA Type 1, 3R, 12, IP65	HB95	HB145X	HB274X	HB274X
NEMA Type 4, 4X	HB95X	HB145X	HB274X	HB274X

Shafts



External Right-Side Operation - Pistol Style				
NEMA Type 1, 3R, 12, IP65	HB145S	HB145S	HB145S	HB145S

Shafts				
Shaft	SFB__	SFB__	SFB__	SFB__
Lengths: 280, 325, 395mm Ex. SFB280				

Accessories



Terminal Shrouds				
3-pole	TSF400-13	TSF800-13	TSF800-13	TSF1250-13
4-pole	TSF400-14	TSF800-14	TSF800-14	TSF1250-14

Auxiliary Contacts				
Normally open	OA1G10	OA1G10	OA1G10	OA1G10
Normally closed	OA3G01	OA3G01	OA3G01	OA3G01
Module for 8 aux. contacts	OEA28	OEA28	OEA28	OEA28

UL 98 Fusible Disconnect Switches

Technical Data

Technical data according to UL/cULus							
General purpose amp rating	pf= 0.7...0.8	-40° to 40 °C	A	30	60	100	200
Max. operating voltage			VAC	600	600	600	600
			VDC	250	250	250	250
Max. horsepower rating / motor FLA current	pf= 0.4...0.5 Three phase	240 V	HP/A	7.5/22.0	15/42.0	30/80.0	60/154.0
		480 V	HP/A	15/21.0	30/40.0	60/77.0	125/156.0
	Single phase	600 V	HP/A	20/22.0	50/52.0	75/77.0	150/144.0
		120 V	HP/A	2/24.0			
		240 V	HP/A	3/17.0			
Short circuit rating with fuse, 3 and 4-pole types			kA	200	200	200	200
	UL/CSA fuse size		A	30	60	100	200
	UL/CSA fuse type			J/C	J	J	J
Min. electrical endurance	pf= 0.75...0.8	operation cycles		6000	6000	6000	6000
Mechanical endurance		operation		20 000	20 000	20 000	16 000
Terminal lug kits				Integral	Integral	OZXA-24	OZXA-200
Wire range			AWG	#18-8	#14-4	#14-2/0	#4-300MCM
Torque	Wire tightening		lb.in	17	30/355)	120	275
	Lug mounting		lb.in	N/A	N/A	50	72
Technical data according to IEC 60947-3							
Rated insulation voltage	Pollution degree 3		V	1 000	1 000	1 000	1 000
Dielectric strength		50 Hz 1min.	kV	10	10	10	10
Rated impulse withstand voltage			kV	12			12
Rated thermal current in ambient 40 °C /	In open air		A/W	32/3.5	63/7.5	160/12	200/17
max. fuse power dissipation ¹⁾	In enclosure ²⁾		A/W	32/3.5	63/7.5	160/10, 135/12	200/15
...with minimum cable cross section		Cu	mm ²	6	16	70	95
Rated operational current, AC-23A		up to 500 V	A	32	63	160	200
		690 V	A	32	63	160	200
Rated operational power, AC-233)	The kW-ratings are accurate for three-phase 1500 R.P.M. standard asynchronous motors.	230 V	kW	7.5	18.5	45	60
		400 V	kW	15	30	75	110
		415 V	kW	15	30	75	110
		500 V	kW	18.5	37	90	132
		690 V	kW	22	55	132	200
Rated breaking capacity in category AC-23		up to 500 V	A	256	504	1280	1600
		690 V	A	256	504	1280	1600
Rated short-time withstand current, 1 s	r.m.s. -value		kA	1	2.5	5	8
Power loss / pole	With rated current, without fuse		W	2	4	9	8
Weight without accessories	3-pole switch fuses		kg	0.7	1.3	1.5	2.6
	4-pole switch fuses		kg	0.9	1.6	1.8	
Built-in terminal size		Cu	mm ²	0.75...10	2.5...25		
Terminal bolt size (included)	Metric thread diameter x length		mm			M6x20	M8x25
Fuse-links bolts tightening torque			Nm			4	4

*) = Utilization category B

1) Ambient temperature 60 °C: derating 20%

2) Mounting on "ceiling": derating 10%. Mounting on wall, horizontal fuses: derating 8%.

3) Some fuse links limit these figures further. Starting current characteristics must be considered separately.

4) Approval pending

5) 30 lb.in with cable size #14-10, 35 lb.in with cable size #8-4

For the most current product performance data visit ep.mersen.com and use catalog search.

UL 98 Fusible Disconnect Switches

Technical Data

Technical data according to UL/cULus							
General purpose amp rating	pf= 0.7...0.8	-40° to 40 °C	A	400	600	800	1200
Max. operating voltage			VAC	600	600	600	600
			VDC	250	250	250	250
Max. horsepower rating / motor FLA current	pf= 0.4...0.5 Three phase	240 V	HP/A	125.0/312.0	200/480.0	250/602.0	250/602.0
		480 V	HP/A	250.0/302.0	400/477.0	500/590.0	500/590.0
		600 V	HP/A	350.0/336.0	500/472.0	500/472.0	500/472.0
	Single phase	120 V	HP/A				
		240 V	HP/A				
Short circuit rating with fuse, 3 and 4-pole types			kA	200	200	200	200
	UL/CSA fuse size		A	400	600	800	1200
	UL/CSA fuse type			J	J	L	L
Min. electrical endurance	pf= 0.75...0.8	operation cycles		1000	1000	500	500
Mechanical endurance		operation		12 000	4000	3000	2000
Terminal lug kits				OZXA-400	OZXA-800	OZXA-800	OZXA-1200
Wire range			AWG	#2-600MCM	(2)#2-600MCM	(2)#2-600MCM	(4)#2-600MCM
Torque	Wire tightening		lb.in	375	500	500	500
	Lug mounting		lb.in	240	480	480	480
Technical data according to IEC 60947-3							
Rated insulation voltage	Pollution degree 3		V	1 000	1 000	1 000	1 000
Dielectric strength		50 Hz 1min.	kV	10	10	10	10
Rated impulse withstand voltage			kV	12	12	12	12
Rated thermal current in ambient 40 °C /	In open air		A/W	400/45	630/60	800/65	1250/110
max. fuse power dissipation ¹⁾	In enclosure ²⁾		A/W	400/30	570/50	720/55	1000/85
...with minimum cable cross section		Cu	mm ²	240	2x185	2x240	2x400
Rated operational current, AC-23A		up to 500 V	A	400	630	800	1000 ^{*)}
		690 V	A	400	630	800	1000 ^{*)}
Rated operational power, AC-233)	The kW-ratings are accurate for three-phase 1500 R.P.M. standard asynchronous motors.	230 V	kW	132	200	250	315 ^{*)}
		400 V	kW	220	355	450	560 ^{*)}
		415 V	kW	230	355	450	560 ^{*)}
		500 V	kW	280	450	560	710 ^{*)}
		690 V	kW	400	630	710	1000 ^{*)}
Rated breaking capacity in category AC-23		up to 500 V	A	3200	6400	6400	8000
		690 V	A	3200	6400	6400	8000
Rated short-time withstand current, 1 s	r.m.s. -value		kA	14	20	20	
Power loss / pole	With rated current, without fuse		W	30	46	75	75
Weight without accessories	3-pole switch fuses		kg	5.7	11.5	11.5	29
	4-pole switch fuses		kg				
Built-in terminal size		Cu	mm ²				
Terminal bolt size (included)	Metric thread diameter x length		mm	M10x30	M12x40	M12x40	M12x50
Fuse-links bolts tightening torque			Nm	20	40	40	40

^{*)} = Utilization category B

1) Ambient temperature 60 °C: derating 20%

2) Mounting on "ceiling": derating 10%. Mounting on wall, horizontal fuses: derating 8%.

3) Some fuse links limit these figures further. Starting current characteristics must be considered separately.

4) Approval pending

5) 30 lb.in with cable size #14-10, 35 lb.in with cable size #8-4

IEC Fusible Disconnect Switches

Technical Data

Technical data according to UL/cULus							
General purpose amp rating	pf= 0.7...0.8	-40° to 40 °C	A	25	32	50	63
Max. operating voltage			VAC				
			VDC				
Max. horsepower rating / motor FLA current	pf= 0.4...0.5 Three phase	240 V	HP/A				
		480 V	HP/A				
		600 V	HP/A				
	Single phase	120 V	HP/A				
		240 V	HP/A				
Short circuit rating with fuse, 3 and 4-pole types			kA				
	UL/CSA fuse size		A				
	UL/CSA fuse type						
Min. electrical endurance	pf= 0.75...0.8	operation cycles					
Mechanical endurance		operation					
Terminal lug kits							
Wire range			AWG				
Torque	Wire tightening		lb.in				
	Lug mounting		lb.in				
Technical data according to IEC 60947-3							
Rated insulation voltage	Pollution degree 3		V	1 000		1 000	1 000
Dielectric strength		50 Hz 1min.	kV	10		10	10
Rated impulse withstand voltage			kV	12		12	12
Rated thermal current in ambient 40 °C /	In open air		A/W	25/3.5		50/7.5	63/7.5
max. fuse power dissipation ¹⁾	In enclosure ²⁾		A/W	32			
...with minimum cable cross section		Cu	mm ²	4		10	16
Rated operational current, AC-23A		up to 500 V	A	25		50	63
		690 V	A	25		50	63
Rated operational power, AC-233)	The kW-ratings are accurate for three-phase 1500 R.P.M. standard asynchronous motors.	230 V	kW	5.5		11	18.5
		400 V	kW	11		22	30
		415 V	kW	11		22	30
		500 V	kW	15		30	37
		690 V	kW	22		37	55
Rated breaking capacity in category AC-23		up to 500 V	A				
		690 V	A	256		504	504
Rated short-time withstand current, 1 s	r.m.s. -value		kA	1		2.5	2.5
Power loss / pole	With rated current, without fuse		W	1.3		2.5	4
Weight without accessories	3-pole switch fuses		kg	0.7		1.1	1.1
	4-pole switch fuses		kg	0.9		1.3	1.3
Built-in terminal size		Cu	mm ²	0.75...10		2.5...25	2.5...25
Terminal bolt size (included)	Metric thread diameter x length		mm				
Fuse-links bolts tightening torque			Nm				3.5

*) = Utilization category B

1) Ambient temperature 60 °C: derating 20%

2) Mounting on "ceiling": derating 10%. Mounting on wall, horizontal fuses: derating 8%.

3) Some fuse links limit these figures further. Starting current characteristics must be considered separately.

4) Approval pending

5) 30 lb.in with cable size #14-10, 35 lb.in with cable size #8-4

IEC Fusible Disconnect Switches

Technical Data

Technical data according to UL/cULus							
General purpose amp rating	pf= 0.7...0.8	-40° to 40 °C	A	125	160	200	630
Max. operating voltage			VAC				
			VDC				
Max. horsepower rating / motor FLA current	pf= 0.4...0.5 Three phase		240 V	HP/A			
			480 V	HP/A			
	Single phase		600 V	HP/A			
			120 V	HP/A			
			240 V	HP/A			
Short circuit rating with fuse, 3 and 4-pole types			kA				
	UL/CSA fuse size		A				
	UL/CSA fuse type						
Min. electrical endurance	pf= 0.75...0.8		operation cycles				
Mechanical endurance			operation				
Terminal lug kits							
Wire range			AWG				
Torque	Wire tightening		lb.in				
	Lug mounting		lb.in				
Technical data according to IEC 60947-3							
Rated insulation voltage	Pollution degree 3		V	1 000	1 000	1 000	1000
Dielectric strength		50 Hz 1min.	kV	10	10	10	10
Rated impulse withstand voltage			kV	8	8	12	12
Rated thermal current in ambient 40 °C /	In open air		A/W	125/12	160/12	200/17	630/60
max. fuse power dissipation ¹⁾	In enclosure ²⁾		A/W				570/50
...with minimum cable cross section		Cu	mm ²	50	70	95	2 x 185
Rated operational current, AC-23A		up to 500 V	A	125	160	200	630
		690 V	A	125	160	200	630
Rated operational power, AC-233)	The kW-ratings are accurate for three-phase 1500 R.P.M. standard asynchronous motors.	230 V	kW	37	45	60	200
		400 V	kW	55	75	110	355
		415 V	kW	55	75	110	355
		500 V	kW	75	90	132	450
		690 V	kW	110	132	200	630
Rated breaking capacity in category AC-23		up to 500 V	A				
		690 V	A	1280	1280	1600	6400
Rated short-time withstand current, 1 s	r.m.s. -value		kA	5	5	8	18
Power loss / pole	With rated current, without fuse		W	5	5	150	150
Weight without accessories	3-pole switch fuses		kg	1.5	1.5	2.6	11.5
	4-pole switch fuses		kg	1.8	1.8		
Built-in terminal size		Cu	mm ²				
Terminal bolt size (included)	Metric thread diameter x length		mm	M8x25	M8x25	M8x25	M12x40
Fuse-links bolts tightening torque			Nm	M5: 3.5 M8:5	M5: 3.5 M8:5	4	M10:30 M12:40

*) = Utilization category B

1) Ambient temperature 60 °C: derating 20%

2) Mounting on "ceiling": derating 10%. Mounting on wall, horizontal fuses: derating 8%.

3) Some fuse links limit these figures further. Starting current characteristics must be considered separately.

4) Approval pending

5) 30 lb.in with cable size #14-10, 35 lb.in with cable size #8-4

Fusible Disconnect Switches

UL-Listed Fused Switches - Front-Operated

Part #	Description	Ref #
M30CC12	Fused switch, 30A, CC, 1+2 pos.	S1043250
M30CC22	Fused switch, 30A, CC, 2+2 pos.	
M30J12	Fused switch, 30A, J, 1+2 pos.	V1043252
M30J22	Fused switch, 30A, J, 2+2 pos.	
M60J12	Fused switch, 60A, J, 1+2 pos.	
M60J22	Fused switch, 60A, J, 2+2 pos.	
M60J22N	Fused switch, 60A, J, 2+1+N	
M60J30	Fused switch, 60A, J, 3-p on L	
M60J40	Fused switch, 60A, J, 4-p on L	
M60J40N	Fused switch, 60A, J, 3-p + N on L	
M100J12	Fused switch, 100A, J, 1+2 pos.	
M100J22	Fused switch, 100A, J, 2+2 pos.	
M100J22N	Fused switch, 100A, J, 2+1+N	
M100J30	Fused switch, 100A, J, 3-p on L	A1043257
M100J40	Fused switch, 100A, J, 4-p on L	
M100J40N	Fused switch, 100A, J, 3-p + N on L	
M200J30	Fused switch, 200A, J, 3-p on L	C1043259
M200J40	Fused switch, 200A, J, 4-p on L	
M400J30	Fused switch, 400A, J, 3-p on L	D1043260
M400J40	Fused switch, 400A, J, 4-p on L	
M600J30	Fused switch, 600A, J, 3-p on L	E1043261
M600J40	Fused switch, 600A, J, 4-p on L	
M800L30	Fused switch, 800A, L, 3-p on L	F1043262
M800L40	Fused switch, 800A, L, 4-p on L	
M1200L30	Fused switch, 1200A, L, 3-p on L	G1043263
M1200L40	Fused switch, 1200A, L, 4-p on L	

Side-Operated Fused Switches

Part #	Description	Ref #
M30CC30S	Switch.fus 30A CC R side oper.	T1043251
M30J30S	Switch.fus 30A J R side oper.	W1043253
M60J30S	Switch.fus 60A J R side oper.	Z1043256
M100J30S	Switch.fus 100A J R side oper.	B1043258
M25F30S	Switch.fus 25A FR10 R side op.	J1043265
M50F30S	Switch.fus 50A FR14 R side op.	L1043267
M63D30S	Switch.fus 63A 000 R side op.	N1043269
M125F30S	Switch.fus 125A FR22 Rside op.	Q1043271
M160D30S	Switch.fus 160A 00 R side op.	S1043273
M200D30S	Switch.fus 200A 0 R side op.	V1043275
M250D30S	Switch.fus 250A 0-1 R side op.	X1043277
M400D30S	Switch.fus 400A 0-2 R side op.	Z1043279
M630D30S	Switch.fus 630A 3 R side op.	B1043281
M800D30S	Switch.fus 800A 3 R side op.	D1043283

IEC Fused Switches Front Operated

Part #	Description	Ref #	Weight	Pkg
M25F12	Switch.fus 25A FR10 1+2 pos.	H1043264	0.70	1
M50F03	Switch.fus 50A FR14 0+3 pos.	K1043266	1.3	1
M63D03	Switch.fus 63A 000 0+3 pos.	M1043268	1.3	1
M125F03	Switch.fus 125A FR22 0+3 pos.	P1043270	1.5	1
M160D03	Switch.fus 160A 00 0+3 pos.	R1043272	1.52	1
M200D03	Switch.fus 200A 0 0+3 pos.	T1043274	3.3	1
M250D03	Switch.fus 250A 0-1 0+3 pos.	W1043276	3.93	1
M400D03	Switch.fus 400A 0-2 0+3 pos.	Y1043278	7.1	1
M630D03	Switch.fus 630A 3 0+3 pos.	A1043280	13	1
M800D03	Switch.fus 800A 3 0+3 pos.	C1043282	13	1
M1250D03	Switch.fus 1250A 4 0+3 pos.	E1043284	45	1

IEC Fused Switches Side Operated

Part #	Description	Ref #	Weight	Pkg
M25F30S	Switch.fus 25A FR10 R side op.	J1043265	0.70	1
M50F30S	Switch.fus 50A FR14 R side op.	L1043267	1.2	1
M63D30S	Switch.fus 63A 000 R side op.	N1043269	1.2	1
M125F30S	Switch.fus 125A FR22 Rside op.	Q1043271	1.6	1
M160D30S	Switch.fus 160A 00 R side op.	S1043273	1.6	1
M200D30S	Switch.fus 200A 0 R side op.	V1043275	3.3	1
M250D30S	Switch.fus 250A 0-1 R side op.	X1043277	4.15	1
M400D30S	Switch.fus 400A 0-2 R side op.	Z1043279	7.18	1
M630D30S	Switch.fus 630A 3 R side op.	B1043281	13.9	1
M800D30S	Switch.fus 800A 3 R side op.	D1043283	13.9	1
M1250D03	Switch.fus 1250A 4 0+3 pos.	E1043284	45	1

IEC Fourth poles

Part #	Description	Ref #	Weight	Pkg
4PD200	Fourth Fusable pole for M200D	J1045473		1
4PD250	Fourth Fusable pole for M250D	K1045474		1
4PD400	Fourth Fusable pole for M400D	L1045475		1
4PD800	Fourth Fusable pole for M800D	M1045476		1
4PD1250	Fourth Fusable pole for M1250D	N1045477		1

Fusible Disconnect Switches

Shafts

Part #	Description	Ref #
SFB280	Shaft SwitchFuse 12x12x280mm	F1043423
SFB325	Shaft SwitchFuse 12x12x325mm	G1043424
SFB395	Shaft SwitchFuse 12x12x395mm	H1043425
SPA130	Shaft pistol handle 6x6x130mm	V1043919
SPA210	Shaft pistol handle 6x6x210mm	P1043431
SPA290	Shaft pistol handle 6x6x290mm	Q1043432
SPA360	Shaft pistol handle 6x6x360mm	W1043920
SPA430	Shaft pistol handle 6x6x430mm	X1043921

Terminal Shrouds

Part #	Description	Ref #
TSF400-3	Term.shrd 400A Switch.fus3p	S1043434
TSF600-3	Term.shrd 600A Switch.fus3p	T1043435
TSF160-13	Term.shrd 160A Swch.fus1pL /3	V1043436
TSF160-14	Term.shrd 160A Swch.fus1pL /4	W1043437
TSF200-13	Term.shrd 200A Swch.fus1pL /3	J1043449
TSF200-14	Term.shrd 200A Swch.fus1pL /4	V1043459
TSF800-13	Term.shrd 800A Swch.fus1pL /3	K1043450
TSF800-14	Term.shrd 800A Swch.fus1pL /4	W1043460
TSF1250-13	Ter.shrd 1250A Swch.fus1pL /3	L1043451
TSF1250-14	Ter.shrd 1250A Swch.fus1pL /4	X1043461
TSF250-13	Term.shrd 250A Swch.fus1pL /3	M1043452
TSF250-14	Term.shrd 250A Swch.fus1pL /4	Y1043462
TSF400-13	Term.shrd 400A Swch.fus1pL /3	N1043453
TSF400-14	Term.shrd 400A Swch.fus1pL /4	Z1043463

Other Accessories

Part #	Description	Ref #
FOM2	Flange operationM30J12/M30CC12	Q1043409
FOM3	Flange operation M60J12	R1043410
FOM4	Flange operation MxxxJ30	S1043411
FHC4X	Flange handle cable 200A 4X	T1043412
FHC12	Flange hdl cable 200A NEMA 12	V1043413
CABLE36	Flex cable flange oper 36 inch	W1043414
CABLE60	Flex cable flange oper 60 inch	X1043415
ROD16	Rod flange operator 16 inch	A1043418
ROD21	Rod flange operator 21 inch	B1043419
ROD26	Rod flange operator 26 inch	C1043420
FHR12	Flange handle rod 200A NEMA 12	Y1043416
FHR4X	Flange handle rod 200A NEMA 4X	Z1043417
LATCH2	Safety door latch Flange 2pt	D1043421
LATCH3	Safety door latch Flange 3pt	E1043422
LUG100	Lugs #14 - 2/0 100A Switch /6	S1043365
LUG200	Lugs #6 300MCM 200A Switch /6	B1043396
LUG206	Lugs 6 (#14 -#6) 200A Switch /6	Y1043922
LUG400	Lugs #2 600MCM 400A Switch /6	C1043397
LUG406	Lugs 6 (#14 -#6) 400A Switch /6	Z1043923
LUG800	Lugs 2x#2 600MCM 800A Switch/6	T1043366
LUG1200	Lugs 4x750MCM 1200A Switch/6	V1043367
OA1G10	Auxiliary Contact NO	P1043477
OA3G01	Aux.Contact NC Switch160-2500A	R1043479
OA4B1C	Aux.Contact 1+1 SF 40A	K1043473
OSZ4	Mounting plate OA1G10/OA3G01	L1043474
OEA28	Module for SF aux. contacts	M1043475

Handles

Part #	Description	Ref #
HDF30	Handle direct SF 40A max	P1043408
HDF200	Handle direct SF 200A	P1043385
HDF400	Handle direct SF 400A	Q1043386
HDF800T	Handle dir. SF 800A butterfly	R1043387
HDF1250T	Handle dir. SF 1250A butterfly	S1043388
HDF250T	Handle dir. SF 250A butterfly	T1043389
HDF400T	Handle dir. SF 400A butterfly	V1043390
HB45	Handle black45mm IP65 NEMA 3R	L1043911
HB45X	Handle black 45mm IP65 NEMA 4X	M1043912
HB65	Handle black65mm IP65 NEMA 3R	W1043368
HB65X	Handle black 65mm IP65 NEMA 4X	X1043369
HB80	Handle black 80mm IP65 NEMA 3R	Y1043370
HB80X	Handle black 80mm IP65 NEMA 4X	Z1043371
HB95	Handle black 95mm IP65 NEMA 3R	N1043913
HB95X	Handle black 95mm IP65 NEMA 4X	P1043914
HB125	Handle black125mm IP65 NEMA 3R	A1043372
HB125X	Handle black125mm IP65 NEMA 4X	B1043373
HB145	Handle black145mm IP65 NEMA 3R	C1043374
HB145X	Handle black145mm IP65 NEMA 4X	D1043375
HB274	Handle black274mm IP65 NEMA 3R	D1043398
HB274X	Handle black274mm IP65 NEMA 4X	E1043376
HB330	Handle black330mm IP65 NEMA 3R	E1043399
HB330X	Handle black330mm IP65 NEMA 4X	F1043377
HR45	Handle red 45mm IP65 NEMA 3R	Q1043915
H45X	Handle red 45mm IP65 NEMA 4X	R1043916
HR65	Handle red 65mm IP65 NEMA 3R	G1043378
HR65X	Handle red 65mm IP65 NEMA 4X	H1043379
HR80	Handle red 80mm IP65 NEMA 3R	F1043400
HR80X	Handle red 80mm IP65 NEMA 4X	J1043380
HR95	Handle red 95mm IP65 NEMA 3R	S1043917
HR95X	Handle red 95mm IP65 NEMA 4X	T1043918
HR125	Handle red 125mm IP65 NEMA 3R	K1043381
HR125X	Handle red125mm IP65 NEMA 4X	L1043382
HR145	Handle red 145mm IP65 NEMA 3R	M1043383
HR145X	Handle red 145mm IP65 NEMA 4X	N1043384
HR274	Handle red 274mm IP65 NEMA 3R	G1043401
HR330	Handle red 330mm IP65 NEMA 3R	H1043402