

UL 508 Disconnect Switches—Front Operated

						
M163	M163DM	M633	M633DM			
Switch Body	Ampere Rating	20	30	40	63	80
	Base Part #	M163	M253	M403	M633	M803
	Door-Mounted Version	M163DM	M253DM	M403DM	M633DM	M803DM
Handles and Shafts	Direct Front Operation Locking Handle					
 HD40  HB65  SA105  SPA130		HD40	HD40	HD40	HD125	HD125
	External Front Operation					
	Selector Style NEMA Type 1, 3R, 12	HSBX, HSRX				
	Shaft—SAxxx (xxx = length in mm)	SA85, SA105, SA120, SA130, SA180, SA250				
	Door mounted version (no shaft required)	HSBPDM, HSRPDM		HSBWDM, HSRWDM		
	Pistol Style NEMA Type 1, 3R, 12	HB45, HR45, HB65, HR65, HB80, HR80				
	NEMA Type 4, 4X	HB45X, HR45X, HB65X, HR65X, HB80, HB80X				
	NEMA 4X Stainless Steel	HM65X				
	Shaft— SAxxx (xxx = length in mm)	SPA130, SPA210, SPA290, SPA360, SPA430				
	B=Black, R=Black					
Accessories	Fourth Poles					
	Limited to one additional pole per switch	4P40	4P40	4P40	4P80	4P80
	Door mounted switch 4th poles are left-side mounted	4P40DM	4P40DM	4P40DM	4P80DM	4P80DM
	Neutral Poles					
	Limited to one additional pole per switch	NP40	NP40	NP40	NP80	NP80
	Door mounted switch neutral poles	NP40DM	NP40DM	NP40DM	NP80DM	NP80DM
	Terminal Shrouds					
	3-pole	TS40-3	TS40-3	TS40-3	TS63-3	TS63-3
	4-pole (Add this to the 3-pole shroud)	TS40-1	TS40-1	TS40-1	TS63-1	TS63-1
	Auxiliary Contacts*					
	NC Right side mounting	OA1G01	OA1G01	OA1G01	OA1G01	OA1G01
	NO left side mounting	OA1G10	OA1G10	OA1G10	OA1G10	OA1G10
	NO+NC (Mounting on either side)	OA2G11	OA2G11	OA2G11	OA2G11	OA2G11
*Rated 2A max continous @690VAC						
Minimum switching capacity for the auxiliary contacts OA1G01, OA1G10, OA2G11 is 10mA at a voltage of 24V DC						

UL 98 DISCONNECT SWITCHES					
					
M100U3		M200U30 with HD250 Direct Handle		M200U30	
Switch Body	Ampere Rating	30	60	100	200
Base Part #		M30U3	M60U3	M100U3	M200U
3-pole configurations					12, 30
For Flange-mount Actuation		M30U3F	M60U3F	M100U3F	
For Door-mounting		M30U3DM	M60U3DM	M100U3DM	
Handles and Shafts	Direct Front Operation Locking Handle	HD125	HD125	HD125	HD250
 HSBX  HD250  HB65	External Front Operation				
	Selector Style	HSBX, HSRX			N/A
	Shaft—SAxxx (xxx = length in mm)	SA85, SA105, SA120, SA130, SA180, SA250			N/A
	Door mounted version (no shaft required)	HSBWDM, HSRWDM			N/A
	Pistol Style NEMA Type 1, 3R, 12	HB45, HR45, HB65, HR65, HB80, HR80			
	NEMA Type 4, 4X	HB45X, HR45X, HB65X, HR65X, HB80X, HR80X			
	NEMA 4X Stainless Steel	HM65X			
	Shaft—SAxxx (xxx = length in mm)	SPA130, SPA210, SPA290, SPA360, SPA430			
	Alignment Ring	See next page			
	B=Black, R=Red				
Accessories	Fourth Poles				
 4P125  4P250  TS250-13  OA1G10  OA2G11  OEA28	Base-mounted switch Fourth Poles	4P60	4P60	4P125	4P250
	Door-mounted switch Fourth Poles	4P60DM	4P60DM	4P125DM	
	Neutral Poles				
	Base-mounted switch Neutral Poles	NP60	NP60	NP125	
	Door-mounted switch Neutral Poles	NP125DM	NP125DM	NP125DM	
	Terminal Shrouds				
	3-pole	TS125-3	TS125-3	TS125-3	TS250-13
	4-pole	TS125-1	TS125-1	TS125-1	TS250-14
	Shrouds with "-3" suffix are single shrouds that cover all three terminals. Shrouds with "-13" or "-14" are single pole shrouds with 3 or 4 per				
	Auxiliary Contacts*				
	Normally Closed	OA1G01	OA1G01	OA1G01	OA3G01
	Normally Open	OA1G10	OA1G10	OA1G10	OA1G10
	N0+NC	OA2G11	OA2G11	OA2G11	
	Module for 8 aux. contacts	N/A	N/A	N/A	OEA28
	*Rated 2A max continuous @690VAC				
	Flange Operation				
	Flange bracket assembly	Incl with M30U3F**	Incl with M60U3F**	Incl with M100U3F**	FOM4
	Rod Flange handle NEMA 12	FHR12	FHR12	FHR12	NA
	Rod Flange handle NEMA 4X	FHR4X	FHR4X	FHR4X	NA
	Rod, 16 inch	RODNF16	RODNF16	RODNF16	NA
	Rod, 24 inch	RODNF24	RODNF24	RODNF24	NA
	Cable Flange Handle, NEMA 12	NA	NA	NA	FHC12
	Cable Flange Handle, NEMA 4X	NA	NA	NA	FHC4X
	Cable for FHC handles	NA	NA	NA	CABLE36*

Other cable lengths available: 48", 60", 72", 84", 96", 108". For example, CABLE108. **These switches have not been tested to conform to UL standards

UL LISTED FRONT AND SIDE OPERATED



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

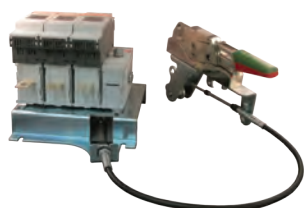
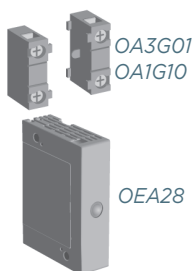


M60J30
60A, J fused, with 3 poles on left side of handle

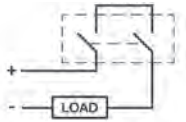
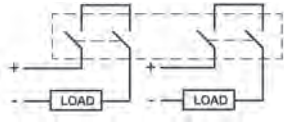
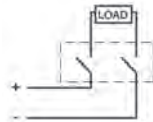
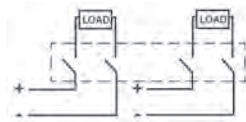
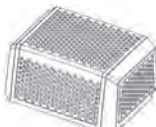


M200J30 with HDF200
200A, J fused, 3 poles on left side of direct handle

Switch Body	Ampere Rating	30	60	100	200
	Base Part #	M30	M60	M100	M200
	Fuse Type	CC, J	J	J	J
	3- and 4-pole configurations	12, 22, 30F, 30S	12, 22, 22N, 30, 30F, 30S, 40, 40N	12, 22, 22N, 30, 30F, 30S, 40, 40N	30, 40
	S = Side operated F = Rod-Flange actuated (Direct Side Operated Handles are included with 'S' option)				
Handles and Shafts	Direct Front Operation	HDF30	HDF200	HDF200	HDF200
	External Front Operation - Pistol style				
	NEMA Type 1, 3R, 12, IP65	HB45	HB65, HB80		
	NEMA Type 4, 4X	HB45X	HB65X, HB80X		
	NEMA 4X Stainless Steel	HM65X			
	B=Black. Substitute 'R' for 'B' if a red handle is desired. Ex. HR45				
	Shafts				
	Shaft— SPAxxx (xxx = length in mm)	SPA130, SPA210, SPA290, SPA360, SPA430			
Accessories	Terminal Lugs				
	6 per package	Integral	Integral	LUG100 (#14 - 2/0)	LUG200 (#6 - 300MCM)
	Terminal Shrouds				
	3-pole (3 single shrouds per package)	Integral	Integral	TSF160-13	TSF200-13
	4-pole (4 single shrouds per package)			TSF160-14	TSF200-14
	Shrouds with "-3" suffix are single shrouds that cover all three terminals. Shrouds with "-13" or "-14" are single pole shrouds with 3 or 4 per				
	Auxiliary Contacts*				
	NO	OA1G10, w/OSZ4	OA1G10	OA1G10	OA1G10
	NC	OA3G01, w/OSZ4	OA3G01	OA3G01	OA3G01
	NO, between poles	OA4B1C	N/A	N/A	N/A
	Mounting plate OA1G10/OA3G01	OSZ4	Not needed	Not needed	Not needed
	Module for 8 aux. contacts	OEA28	OEA28	OEA28	OEA28
	*Rated 2A max continous @690VAC				
	Flange Operation for Cable Actuation				
	Cable Flange Handle, NEMA 12	FHC12	FHC12	FHC12	FHC12
	Cable Flange Handle, NEMA 4X	FHC4X	FHC4X	FHC4X	FHC4X
	Bracket Assembly	FOM2	FOM3 for M60J12, FOM4 for M60J30	FOM4	FOM4
	Cable for FHC handles	CABLE36*	CABLE36*	CABLE36*	CABLE36*
	*Other cable lengths available: 48", 60", 72", 84", 96", 108". For example, CABLE108.				
	Flange Operation for Rod Actuation*				
	Flange bracket assembly	Incl with M30x30F	Incl with M60J30F	Incl with M100J30F	NA
	Rod Flange handle NEMA 12	FHR12	FHR12	FHR12	NA
	Rod Flange handle NEMA 4X	FHR4X	FHR4X	FHR4X	NA
	Rod, 16, 21, 26 inch [ex. ROD16]	RODxx	RODxx	RODxx	NA
	*These products have not been tested for UL Compliance				



FOM4, FHC12, and CABLE36
with M200J30

UL 98B Listed DC Switches							
							
MD100U11	MD100U22	MD100E11	MD100E22				
							
Switch Body	Ampere Rating	100	100	160	200	200	250
	1000VDC 2-pole Configuration	MD100U11	MD100E11	MD160E11	MD200U11	MD200E11	MD250E11
	1000VDC 2x2-pole Configuration	MD180U22	MD100E22	MD160E22	MD180U22*	MD200E22	MD250E22
B=Black. Substitute 'R' for 'B' if a red handle is desired. Ex. HR45 *180A Rating							
Handles and Shafts	Direct Front Operation						
 HB125  HDD250	1000VDC	HDD250	HDD250	HDD250	HDD250	HDD250	HDD250
	External Pistol style						
	NEMA Type 1, 3R, 12	HB65, HB80					
	NEMA Type 4, 4X	HB65X, HB80X					
B=Black. Substitute 'R' for 'B' if a red handle is desired. Ex. HR65							
	Shafts						
	Shaft— SPAxxx (xxx = length in mm), SFBxxx (xxx = length in mm)		SPA130, SPA210, SPA290, SPA360, SPA430				
Accessories	Auxiliary Contacts*						
 OA1G01  OA1G10  JC250  OEA28  JC500  JUMP250  JC500-2	NO Right side mounting	OA1G10	OA1G10	OA1G10	OA1G10	OA1G10	OA1G10
	NC left side mounting	OA3G01	OA3G01	OA3G01	OA3G01	OA3G01	OA3G01
	Module for SF aux. contacts	OEA28	OEA28	OEA28	OEA28	OEA28	OEA28
	*Rated 2A max continous @690VAC						
Terminal Shroud for Short Circuit Link							
	For MDxxxU11, UV12	JC250			JC250		
	For MDxxxU22	JC500-2			JC500-2		
	For MDxxxE11, E22, EV12**		JUMP250	JUMP250		JUMP250	JUMP250
**Shipped with one link per circuit							
Terminal Shroud for Lugs							
	1 Terminal Shroud	TDS250S			TDS250S		
	Kit of 4 Terminal Shrouds		TS250-14	TS250-14		TS250-14	TS250-14
A shorter version is available for DC Switches up to 250A. 1 piece per package: TDS250S							