

Disconnect switches
Non-fusible
Fusible

Non-fusible disconnect switches



OT16F3 OT25F3 OT40F3



OT63F3 OT80F3



OT30F3 OT60F3 OT100F3

Standard catalog number	3 pole	UL508 / IEC				UL98 / IEC			
		OT16F3	OT25F3	OT40F3	OT63F3	OT80F3	OT30F3	OT60F3	OT100F3
Amp rating	A	20	30	40	60	80	30	60	100
Approvals									
2 pole		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 pole		UL508 / IEC	UL508 / IEC	UL508 / IEC	UL508 / IEC	UL508 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC
4 pole		UL508 / IEC	UL508 / IEC	UL508 / IEC	UL508 / IEC	UL508 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC
Technical ratings – UL, CSA									
Max operating voltage	V	600	600	600	600	600	600	600	600
Max horsepower rating									
Three phase									
240 V	HP	5	7.5	10	15	20	10	20	30
480 V	HP	10	15	20	30	40	20	40	50
600 V	HP	10	20	25	30	40	30	40	50
Single phase									
120 V		1	1.5	2	2	2	2	3	5
240 V		2	3	5	5	5	5	7.5	15
Technical ratings – IEC									
Rated insulation and operational voltage, AC20 and DC20	V	750	750	750	750	750	750	750	750
Rated thermal current, I _{th}									
AC 20/DC 20 open	A	25	32	40	63	80	40	63	115
AC 20/DC 20 enclosed	A	25	32	40	63	80	40	63	115
AC 21A ≤500 V	A	16	25	32	63	80	40	63	100
AC 21A ≤690 V	A	16	25	32	63	80	40	63	100
Rated operational power AC23									
400/415 V	kW	7.5	9	11	22	37	15	18.5	37
690 V	kW	7.5	9	11	15	18.5	15	15	37
Short circuit interrupting capacity									
Fuse type CC	kA	10	—	10	—	—	—	—	—
Fuse type J	kA	10	10	10	10	100	—	50	200
Fuse type T	kA	10	10	10	10	100	—	50	200
Fuse type RK1	kA	10	—	10	—	—	—	—	—
Fuse type RK5	kA	5	5	5	5	10	5	—	—
Fuse type L	kA	—	—	—	—	—	—	—	—
Fuse type H	kA	—	—	—	—	—	—	—	—
Maximum fuse size	A	30	60 ⊕	30	60 ⊕	100	150	60	60
Physical characteristics									
Weight 1 3 pole	lb	0.24	0.24	0.24	0.59	0.59	0.79	0.79	0.79
Dimensions 3 pole	H in	2.68	2.68	2.68	3.60	3.60	3.94	3.94	3.94
	W in	1.38	1.38	1.38	2.07	2.07	2.76	2.76	2.76
	D in	2.20	2.20	2.20	2.85	2.85	2.95	2.95	2.95

⊕ Switch only.
⊗ Fuse size 70 A for RK5.

ABB's non-fusible disconnect switches are designed to offer maximum versatility to meet specific customer requirements. All sizes are compact, heavy duty, 600 V disconnect switches. The basic construction provides flexibility, safety, and high performance in an extremely compact size.

The non-fusible switch line includes 16 amperage sizes ranging from 16 A to 3150 A, and includes both UL 98, UL 508 and IEC switches.

ABB non-fusible disconnects are also customizable in that they are available in a number of special premium configurations.

- Side operated
- Maintenance bypass
- Flange operated
- Double throw
- Multiple poles, (2, 3, 4 & 6)
- Motor operators



Catalog number	3 pole	UL98 / IEC					IEC		
		OT200U03	OT400U03	OT600U03	OT800U03	OT1200U03	OETL-NF1600SW	OETL-NF2000SW	OETL-NF3150SW
Amp rating	A	200	400	600	800	1200	1600	2000	3150
Approvals [Ⓞ]									
2 pole		N/A	N/A	UL98 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC	IEC
3 pole		UL98 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC	UL98 / IEC	IEC
4 pole		UL98 / IEC	UL98 / IEC	UL98 / IEC	IEC	IEC	IEC	IEC	IEC
Technical ratings – UL, CSA									
Max operating voltage	V	600	600	600	600	600	600	600	600
Max horsepower rating									
Three phase									
240 V	HP	75	125	200	15	—	—	—	—
480 V	HP	150	250	400	30	—	—	—	—
600 V	HP	200	350	500	30	—	—	—	—
Single phase									
120 V		—	—	—	—	—	—	—	—
240 V		—	—	—	—	—	—	—	—
Technical ratings – IEC									
Rated insulation and operational voltage, AC20 and DC20	V	1000	1000	1000	1000	1000	1000	1000	1000
Rated thermal current, I _{th}									
AC 20/DC 20 open	A	250	400	800	1250	1600	2500	2500	3150
AC 20/DC 20 enclosed	A	250	400	720	1250	1600	2300	2500	2600
AC 21A ≤500 V	A	250	400	800	1250	1600	2500 [Ⓞ]	2500 [Ⓞ]	3150 [Ⓞ]
≤690 V	A	250	400	800	1250	1600	2500 [Ⓞ]	2500 [Ⓞ]	3150 [Ⓞ]
Rated operational power AC23									
400/415 V	kW	132	220	355	400	400	400	400	400
690 V	kW	240	355	355	—	—	—	—	—
Short circuit interrupting capacity									
Fuse type CC	kA	—	—	—	—	—	—	—	—
Fuse type J	kA	200	100	100	—	—	—	—	—
Fuse type T	kA	—	—	100	—	—	—	—	—
Fuse type RK1	kA	—	—	—	—	—	—	—	—
Fuse type RK5	kA	—	—	100	—	—	—	—	—
Fuse type L	kA	—	—	—	100	100	100	100	—
Fuse type H	kA	—	—	—	—	—	—	—	—
Maximum fuse size	A	350	600	600	1200	1200	2000	2000	—
Physical characteristics									
Weight [Ⓞ] 3 pole	lb	2.9	5.7	13.66	35.9	38.55	127.7	127.7	127.7
Dimension 3 pole	H in	6.69	8.66	11.77	19.09	19.09	25.04	25.04	25.04
	W in	6.67	8.7	11.93	14.29	14.29	18.43	18.43	18.43
	D in	3.30	3.35	5.12	4.92	4.92	10.67	10.67	10.67

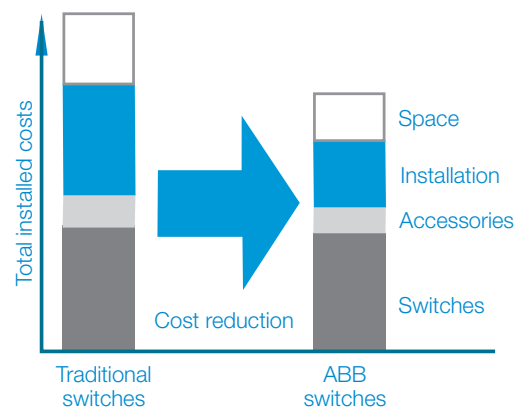
[Ⓞ] Switch only
[Ⓢ] IEC 947-3 Utilization Category B, Infrequent operation

Flexible installation & mounting options

Mount the switch based on your specific panel requirements. Simply install the handle on the door, in line with the switch. The switch and handle are mechanically linked through an easy to install shaft, allowing fast and flexible installation into various panel depths and configurations.

- Door mounting 16 A - 100 A
- DIN rail mounting 16 A - 100 A
- Base mount with screws 16 A - 3150 A

Lowered install costs



Disconnect switch accessories

Customize your ABB switch with our extensive line of disconnect switch accessories. From handles to power poles, our accessory line follows the same superior craftsmanship as the switches themselves.

Selector handles

The design of the ABB selector handles incorporates quick and easy mounting, ergonomic and uniform design as well as safety in application. The selector handle range offers base mounting and door mounting options with screw and snap-on features. ABB selector handles provide door interlock in the ON position and when padlocked in the OFF position.

Pistol handles

Robust construction coupled with stunning high torque allows the use of plastic handles even with the largest switches. ABB pistol handles are easy to install as mounting hardware fastens to brass inserts in the back of the handle.

Pistol handles are available in a variety of lengths from 65mm to 330mm for 6mm and 12mm shaft diameters. Black/Red and Red/Yellow plastic as well as 316L stainless steel versions are available for use with non-fusible and fusible disconnects.

Shafts

A full range of 6 and 12mm shafts coordinate with selector and pistol grip handles for all disconnect switches. Shafts are offered in a variety of lengths in order to meet customer mounting depth specifications.

Flange operators

Flange operated disconnect switches are available as rigid shaft or flexible cable designs. The cable operated version allows installation of the disconnect anywhere in the enclosure depending on the length of the cable. Cables are available in lengths from 36 to 84 inches. Along with optional direct mount rotary handles, ABB's full flange offering provides compliance with

NFPA79 and UL508A requirements for industrial machinery operation handles.

Conversion mechanisms

Convert a standard non-fusible ABB disconnect to a custom solution by installing one of the available conversion mechanisms.

- 6 or 8 pole mechanism - operates 2 switches with a single handle.
- Transfer mechanism - manually transfers between 2 power sources.
- Bypass mechanism - operates 3 switches (2 in a series and 1 transfer switch to provide bypass).
- Mechanical interlock - prevents 2 switches from simultaneously being in the ON position.

Other common accessories

- Motor operators
- Terminal shrouds
- Additional power poles
- Additional terminal poles (neutrals and grounds)
- Electro-mechanical interlocks
- Auxiliary contacts



Selector handles



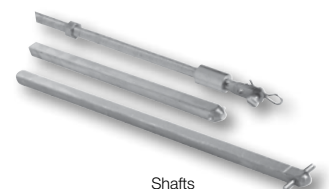
Auxiliary contacts



Pistol handles



Double throw mechanism



Shafts