

# Fusible Disconnect switches



Fusible disconnect switches  
30A – 800A, 600V

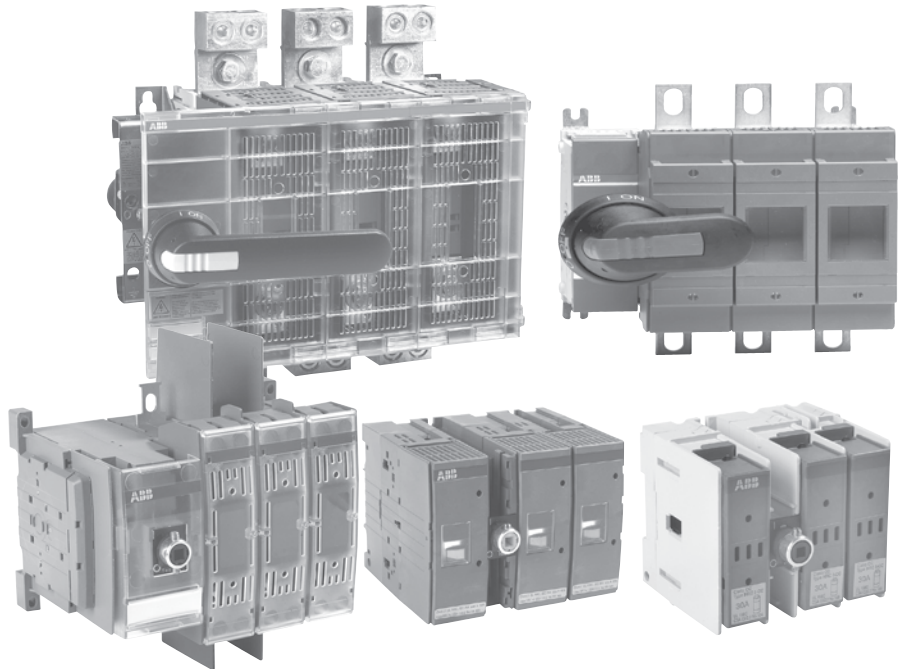


ABB PowerLine includes seven different amperage sizes from 30A to 800A. All ABB fusible switches are designed to meet customer requirements in terms of high interrupting capacity and long electrical life while occupying little more panel space than the appropriate fuses. The basic construction provides flexibility and high performance in an extremely compact size. ABB PowerLine switches are a perfect choice to withstand the heat and humidity of the tropics, the extreme cold of the arctic and any rugged industrial environment you may have.

### International acceptance

ABB fusible switches are available with a wide range of fuse clip options:

UL	USA	CSA	Canada
DIN	Europe	BS	United Kingdom
NFC	France	Ultra-rapid	

As well as the corresponding approvals: UL listed, CSA approved, IEC rated, CE marked, and most other international standards.

**UL98 (CSA 22.2 No.4)** – UL File # E101914, CSA File #LR58077  
*For 30A – 800A switches, OH\_ pistol grip handles*

Suitable for use as motor disconnects or industrial control panel disconnects on service entrance equipment, panelboards, switchboards, industrial control equipment, motor control centers, etc. and are horsepower rated and ampere rated.

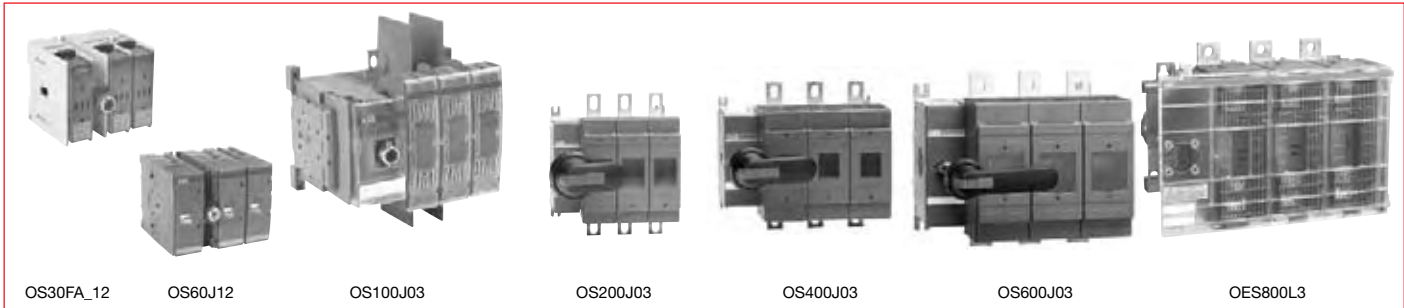
### IEC

Tested in accordance to IEC 947-1 and 3, IEC 664, IEC 269, and IEC 204

### CE

Compliance with the European Machine Directive IEC 204 (EN 60204)

## Selection guide OS30FACC12 – OES800L3



Catalog number 3 pole		OS30FACC12	OS30FAJ12	OS60J12	OS100J03	OS200J03	OS400J03	OS600J03	OES800L3	
<b>General purpose amp rating</b>		<b>A</b>	<b>30</b>	<b>30</b>	<b>60</b>	<b>100</b>	<b>200</b>	<b>400</b>	<b>600</b>	<b>800</b>
<b>Catalog reference</b>		Page #	18.79	18.79	18.83	18.83	18.83	18.87	18.87	18.87
<b>Approvals</b> ①										
	2 pole	N/A	N/A	N/A	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC
	3 pole	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC
	4 pole	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC	UL98 & IEC
<b>Technical ratings (UL, CSA)</b>										
Max operating voltage		V	600	600	600	600	600	600	600	600
Max horsepower rating										
	Three phase									
	240V	HP	7.5	7.5	15	30	60	125	200	250
	480V	HP	15	15	30	60	125	250	400	500
	600V	HP	20	20	50	75	150	350	500	600
	Single phase									
	120V	HP	2	2	—	—	—	—	—	—
	240V	HP	3	3	—	—	—	—	—	—
UL fuse class			CC	J	J	J	J	J	J	L
<b>Technical ratings (IEC)</b>										
Rated insulation and operational voltage, AC20 and DC20		V	1000	1000	1000	1000	1000	1000	1000	1000
Rated thermal current, I <sub>n</sub>										
	AC 20/DC 20 open	A	32	32	63	160	200	400	630	800
	AC 20/DC 20 enclosed	A	32	32	63	160	200	400	600	720
	AC 21A ≤500V	A	32	32	63	160	200	400	630	800
	≤690V	A	32	32	63	160	200	400	630	800
Rated operational power AC23										
	400/415V	kW	14/15	14/15	30	80/90	110	220/230	355	350/380
	690V	kW	25	25	60	132	200	400	560	600
<b>Physical characteristics</b>										
Weight										
	3 pole switch	lb	1.54	1.54	2.86	3.30	5.9	12.56	28.66	37.44
	4 pole	lb	1.98	1.98	3.52	3.96	7.5	15.21	37.48	46.26
Dimension										
	3 pole	H in	3.66	3.60	3.94	5.67	6.5	9.29	12.04	10.10
		W in	4.15	4.15	5.63	7.07	7.1	10.04	13.50	14.80
		D in	4.10	4.10	5.04	5.10	5.2	6.93	9.17	9.17
<b>Accessories</b>										
Double break contacts			S	S	S	S	S	S	S	S
Fuse cover			S	S	S	S	S	S	S	S
Terminal lug kit			Integral	Integral	Integral	OZXA-24	OZXA-200	OZXA-400	OZXA-800	OZXA-27
Terminal shroud			Not required	Not required	Not required	•	•	•	•	•
Auxiliary contact			•	•	•	•	•	•	•	•
Shaft/handle diameter			6mm .24 x .24"	6mm .24 x .24"	6mm .24 x .24"	6mm .24 x .24"	6mm .24 x .24"	12mm .47 x .47"	12mm .47 x .47"	12mm .47 x .47"
Handle UL/NEMA type			•	•	•	•	•	•	•	•
	Type 1, 3R, 12		•	•	•	•	•	•	•	•
	Type 1, 3R, 4, 4X, 12		•	•	•	•	•	•	•	•
Recommended pistol handle length			45 - 65mm	45 - 65mm	45 - 65mm	45 - 65mm	65 - 80mm	125 - 175mm	125 - 175mm	125 - 175mm
Maximum recommended shaft length			290mm	290mm	290mm	290mm	290mm	595mm	595mm	595mm
Electrical interlock			—	—	—	—	—	•	•	•

S = Standard  
• = Available  
— = Not available

① UL listed switches are also CSA approved.

## Base & DIN rail mounted 30 – 800A

For a complete assembly, please select one of each:

- 1 switch (pg. 18.22)
- 1 handle (pg.18.23)
- 1 shaft (pg. 18.24)
- 1 terminal lug kit (pg. 18.25)

(Only required for 100A & above.)



OS400J03



OXP12X280



OHB145J12



OZXA-24

	UL general purpose amp rating	UL Fuse Type 600V	2 Pole		3 Pole		4 Pole	
			Catalog number	List price	Catalog number	List price	Catalog number	List price
UL 98	30	J CC ①	—	—	OS30FAJ12 OS30FACC12	\$ 280 280	OS30FAJ22F OS30FACC22F	\$ 350 350
	60	J	—	—	OS60J12	380	OS60J22F	490
	100	J	—	—	OS100J03	520	OS100J04F	660
	200	J	OS200J02	\$ 1,240	OS200J03 OS200J30 OS200J12	1,380 1,380 1,380	OS200J04F OS200J13F OS200J22F	1,725 1,725 1,725
	400	J	OS400J02	1,680	OS400J03 OS400J30 OS400J12	1,860 1,860 1,860	OS400J04F	2,320
	600	J	OS600J02	2,600	OS600J03 OS600J30 OS600J12	4,613 4,613 4,613	OS600J04F	5,536
	800	L	OES800L2	4,280	OES800L3	4,760	OES800L4	5,950

① Rejection style fuses only.