

Fusible Disconnect switches



Fusible disconnect switches
30A – 800A, 600V

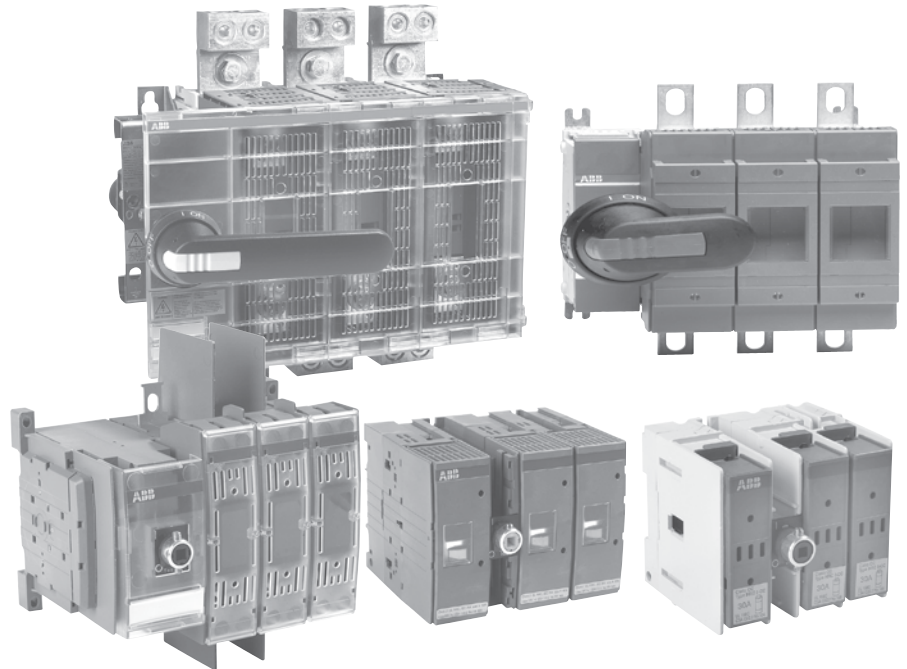


ABB PowerLine includes seven different amperage sizes from 30A to 800A. All ABB fusible switches are designed to meet customer requirements in terms of high interrupting capacity and long electrical life while occupying little more panel space than the appropriate fuses. The basic construction provides 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.

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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.

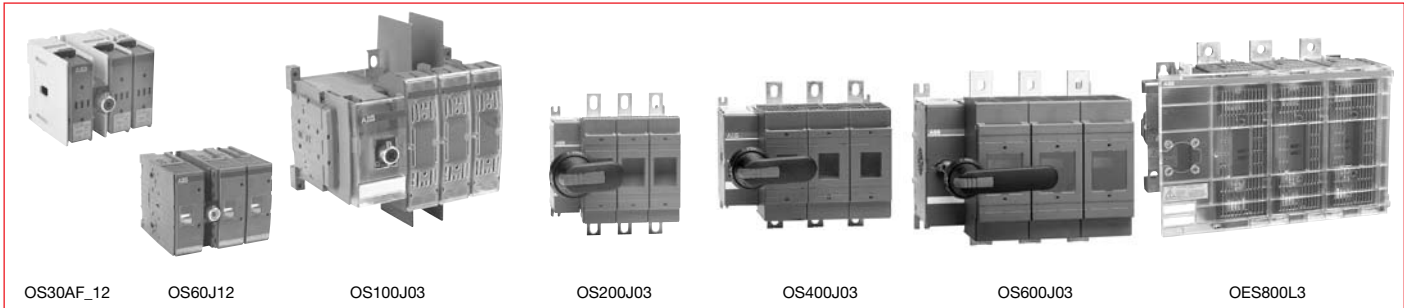
IEC

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 OS30AFCC12 – OES800L3



Catalog number 3 pole		OS30AFCC12	OS30AFJ12	OS60J12	OS100J03	OS200J03	OS400J03	OS600J03	OES800L3	
General purpose amp rating		A	30	30	60	100	200	400	600	800
Catalog reference		Page #	18.79	18.79	18.83	18.83	18.83	18.87	18.87	18.87
Approvals 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
Technical ratings (UL, CSA)										
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
Technical ratings (IEC)										
Rated insulation and operational voltage. AC20 and DC20		V	1000	1000	1000	1000	1000	1000	1000	1000
Rated thermal current, I _n										
	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
Physical characteristics										
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
Accessories										
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 290mm	45 - 65mm 290mm	45 - 65mm 290mm	45 - 65mm 290mm	65 - 80mm 290mm	125 - 175mm 595mm	125 - 175mm 595mm	125 - 175mm 595mm
Maximum recommended shaft length			—	—	—	—	—	•	•	•
Electrical interlock			—	—	—	—	—	•	•	•
S = Standard										
• = Available										
— = Not available										

① UL listed switches are also CSA approved.

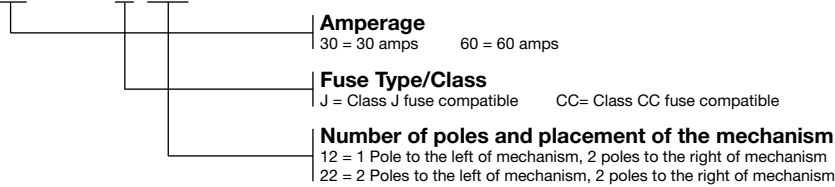
Selection information

Disconnect
switches
Fusible

Standard part number designation ①

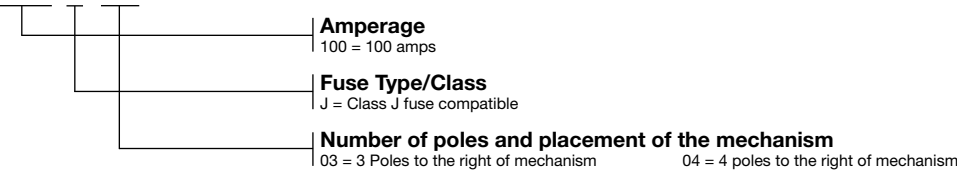
Fusible OS Switches (30 to 60A)

OS 30 F A J 22 F



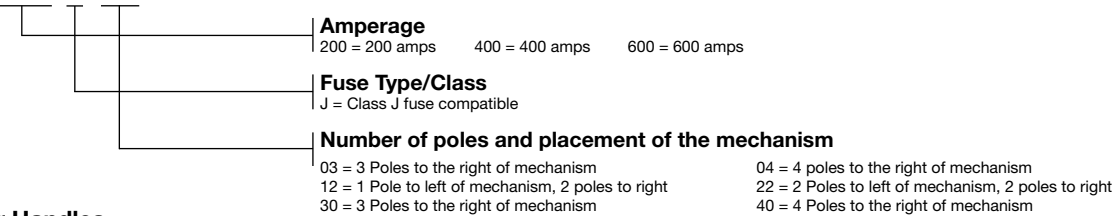
Fusible OS Switches (100A)

OS 100 J 03



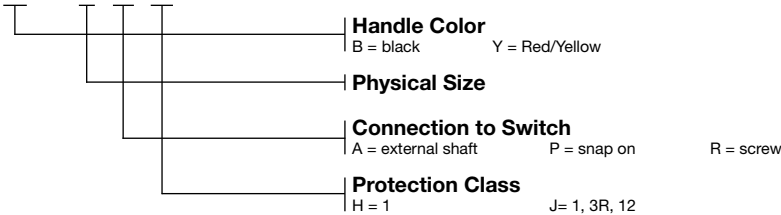
Fusible OS Switches (200A and above)

OS 200 J 04 F



Selector Handles

OHB S 1 P H



Pistol Handles

O H B 65 J 6 E011



① Part designation keys are provided for reference only. Not all variations or configurations are available.