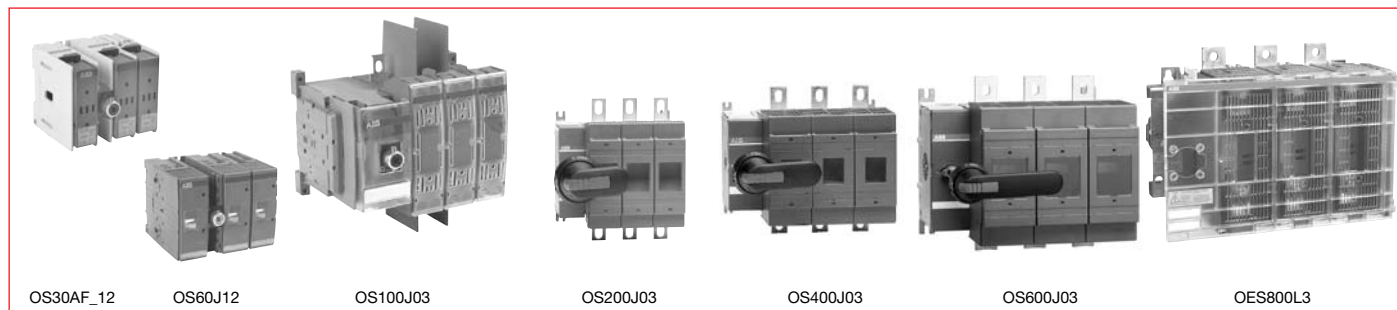


Disconnect
switches
Fusible

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
	3 pole	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
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	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 _{th}									
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	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.

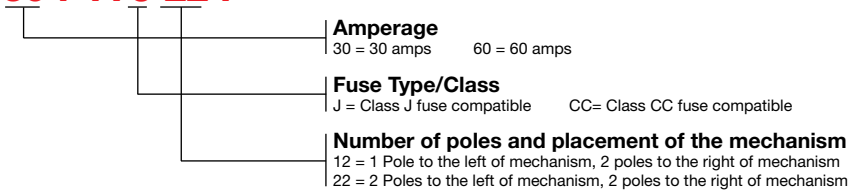
Selection information

Disconnect
switches
Fusible

Standard part number designation ①

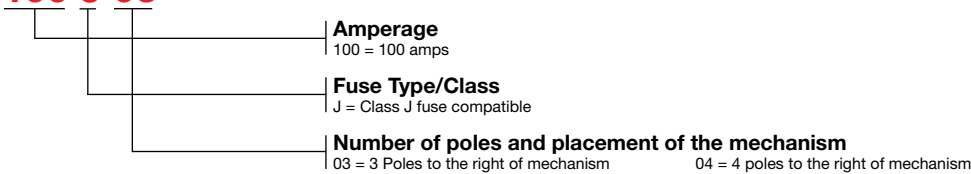
Fusible OS Switches (30 to 60A)

OS 30 F A J 22 F



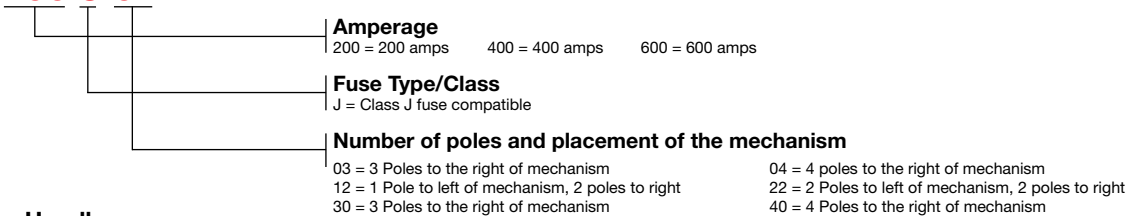
Fusible OS Switches (100A)

OS 100 J 03



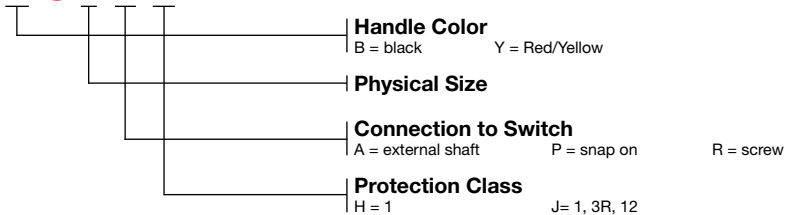
Fusible OS Switches (200A and above)

OS 200 J 04 F



Selector Handles

OHB S 1 P H



Pistol Handles

O H B 65 J 6 E011



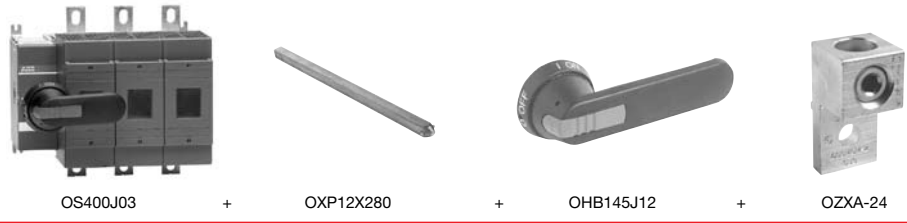
① Part designation keys are provided for reference only. Not all variations or configurations are available.

**Disconnect
switches**
Fusible

**Base & DIN rail mounted
30 – 800A**

For a complete assembly, please select one of each:

- 1 switch (pg. 18.24)
 - 1 handle (pg.18.25)
 - 1 shaft (pg. 18.26)
 - 1 terminal lug kit (pg. 18.27)
- (Only required for 100A & above.)



	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.

Standard handles & shafts

Disconnect
switches
Fusible



OHBS2AJ1



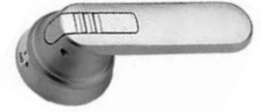
OHB_J6



OHY_J6



OHB4



OHM125L12

Recommended handles & shafts

Switch	Shaft diameter	Recommended standard pistol handle length	Maximum recommended shaft length
OS30 - 100	6x6 mm - .24 x .24"	45 - 65 mm	290 mm
OS200	6x6 mm - .24 x .24"	65 - 80 mm	290 mm
OS400 - 600	12x12 mm - .47 x .47"	125 - 175 mm	595 mm
OES800	12x12 mm - .47 x .47"	125 - 175 mm	595 mm

Selector handles — for use with .24 x .24" (6mm) OXS6X shafts ② ③

UL/NEMA Type	IEC type	Color	Marking		Defeatable	Padlockable	Weight (lbs)	Catalog number	List price
1, 3R, 12	IP65	Black	O/I & Off/On		—	Yes	0.16	OHBS2AJ1	\$ 28
					Yes	Yes	0.16	OHBS2AJ	30

NOTE: Selector handles are not recommended for use with fusible switches over 30A.

Pistol handles — for use with .24 x .24" (6mm) OXP6X shafts ② ③

UL/NEMA Type	IEC type	Color	Marking	Length in/mm	Defeatable	Padlockable	Weight (lbs)	Catalog number	List price
1, 3R, 12	IP65	Black	O/I & Off/On	2.6/65	Yes	Yes	0.29	OHB65J6	\$ 80
1, 3R, 12	IP65	Black	Off/On/Test	2.6/65	Yes	Yes	0.29	OHB65J6T ①	100
1, 3R, 12	IP65	Black	O/I & Off/On	3.1/80	Yes	Yes	0.30	OHB80J6	90
1, 3R, 12, 4, 4X	IP66	Black	O/I & Off/On	3.1/80	Yes	Yes	0.30	OHB80L6	130
1, 3R, 12, 4, 4X	IP66	Stainless Steel	O/I & Off/On	2.6/65	Yes	Yes	1.60	OHM65L6	750
1, 3R, 12	IP65	Black w/ stainless hasp	O/I & Off/On	2.6/65	Yes	Yes	0.31	OHB65J6EH	250
1, 3R, 12, 4, 4X	IP66	Black w/ stainless hasp	O/I & Off/On	2.6/65	Yes	Yes	0.31	OHB65L6EH	290

Pistol handles — for use with .47 x .47" (12mm) OXP12X shafts ② ③

UL/NEMA Type	IEC type	Color	Marking	Length in/mm	Defeatable	Padlockable	Weight (lbs)	Catalog number	List price
1, 3R, 12	IP65	Black	O/I & Off/On	4.9/125	Yes	Yes	0.39	OHM125J12	\$ 90
				5.7/145	Yes	Yes	0.39	OHB145J12	90
				6.9/175	Yes	Yes	0.41	OHB175J12	100
1, 3R, 12, 4, 4X	IP66	Black	O/I & Off/On	5.7/145	Yes	Yes	0.39	OHB145L12	130
				6.9/175	Yes	Yes	0.41	OHB175L12	140
1, 3R, 12, 4, 4X	IP65	Metal	Off/On	8.7/220	--	Yes	1.50	YASDA-8	190
1, 3R, 12, 4, 4X	IP66	Stainless Steel	O/I & Off/On	4.9/125	Yes	Yes	1.70	OHM125L12	900
				6.9/175	Yes	Yes	1.80	OHM175L12	1,100
				275	Yes	Yes	2.10	OHM275L12	1,200
1, 3R, 12	IP65	Black w/ stainless hasp	O/I & Off/On	4.9/125	Yes	Yes	0.44	OHM125J12EH	280
				6.9/175	Yes	Yes	0.76	OHB175J12EH	330
1, 3R, 12, 4, 4X	IP66	Black w/ stainless hasp	O/I & Off/On	4.9/125	Yes	Yes	0.44	OHB125L12EH	330
				6.9/175	Yes	Yes	0.76	OHB175L12EH	390

18

Direct mount handle ② ③

For use on	Description	Marking	Color	Padlockable	Weight	Catalog number	List price
OS30	No shaft required	O/I/Test	Black	Yes	0.10	OHBS5	\$ 60
OS60-100	No shaft required	O/I	Black	Yes	0.10	OHB4	60
OS200	No shaft required	O/I	Black	Yes	0.30	OSV200BK	134
OS400	No shaft required	O/I	Black	Yes	0.30	OSV400BK	173
OS600	No shaft required	O/I	Black	Yes	0.30	OSV800BK	212
OS400-600, OES800	Mounts on 12mm shaft	—	Metal	No	0.78	YASDA-33	155

① The OS30 switch has a TEST position, accessed by rotating the mechanism 45 degrees counterclockwise from the OFF position. In the TEST position, optional auxiliary contacts, OA4B1C, are actuated but the main switch contacts are not.

② Red/Yellow handles are available by substituting the OHB prefix with OHY.

③ All handles are plastic unless otherwise noted as metal or stainless steel.

**Disconnect
switches
Fusible**

Standard handles & shafts



Shafts — for use with OH selector handles .24 x .24" (6x6 mm)

Shaft length (in/mm)	Maximum mounting depth (inches)	Weight (Lbs.)	Catalog number	List price
5.1 / 130	5.6	0.08	OXS6X130	\$ 6
7.1 / 180	6.1	0.11	OXS6X180	6
9.8 / 250	10.3	0.13	OXS6X250	12
13 / 330	13.4	0.17	OXS6X330	20

NOTE: Selector handles and shafts are not recommended for use with fusible switches over 30A

Shafts — for use with pistol handles .24 x .24" (6x6 mm)

Shaft length (in/mm)	Maximum mounting depth (inches)				Weight (Lbs.)	Catalog number	List price
	OS30	OS60	OS100	OS200			
5.9 / 150	8.9	9.7	9.8	—	0.09	OXP6X150	\$ 12
8.3 / 210	9.7	12.1	12.2	9.9	0.13	OXP6X210	16
11.4 / 290	13.4	15.2	15.3	13.0	0.18	OXP6X290	20
14.2 / 360	18.7	12.9	18.0	—	0.23	OXP6X360	24
16.9 / 430	22.6	20.6	20.7	—	0.27	OXP6X430	28

Shafts — for use with pistol handles .47 x .47" (12x12 mm)

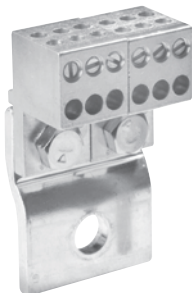
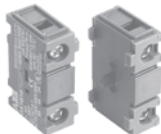
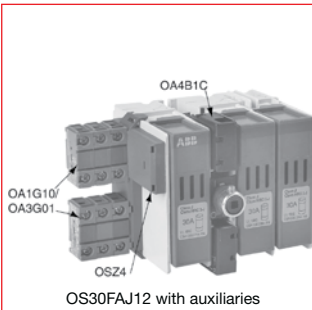
Shaft length (in/mm)	Maximum mounting depth (inches)		Weight (Lbs.)	Catalog number	List price
	OS400	OS600, OES800			
11.0 / 280	13.8	14.9	0.77	OXP12X280	\$ 36
12.8 / 325	15.6	16.7	0.9	OXP12X325	40
15.6 / 395	18.3	19.4	1.1	OXP12X395	44
18.3 / 465	21.0	22.1	1.32	OXP12X465	48
21.1 / 535	23.8	24.8	1.54	OXP12X535	52

① Mounting depth is distance from the outside of the door to the disconnect switch mounting plate. Shaft can be cut to desired length.

Standard fusible accessories

Base & DIN rail mounted switches

Disconnect
switches
Fusible



Auxiliary contacts — snap-on mounting

Description	For Use On	Weight (Lbs.)	AC Thermal amp rating	AC rated voltage	Catalog number	List price
Form C 1 N.O. & 1 N.C.	OS30	0.04	6	250	OA4B1C	\$ 40
1 N.O.	OS30 - OS600	0.07	10	600	OA1G10	20
1 N.C.	OS30 - OS600	0.07	10	600	OA3G01	20
Module for auxiliary contacts	OS30	0.09	—	—	OSZ4	20
	OS200 - OS600	0.10	—	—	OEA28	50

Auxiliary contacts — front mounting

Description	For Use On	Weight (Lbs.)	AC Thermal amp rating	AC rated voltage	Catalog number	List price
1 N.O. + 1 N.C.	OES800	0.20	10	600	OZXK-1	\$ 100
2 N.O. + 2 N.C.		0.26	10	600	OZXK-2	170
4 N.O. + 4 N.C.		0.40	10	600	OZXK-3	340
2 N.O.	OES800	0.18	10	600	OZXK-4	100
4 N.O.		0.25	10	600	OZXK-5	170
8 N.O.		0.4	10	600	OZXK-6	340

Mounting & installation considerations

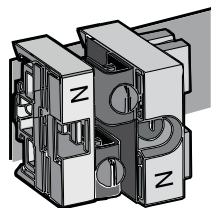
OS30	Form C contacts mount directly to switch Maximum two Form C contacts OA1G10 (1 N.O.) + OA3G01 (1 N.C.) require mounting base Maximum 6 OA1G10 + OA3G01 contacts with mounting base OSZ4
OS60 - 600	Mounting to left side of switch with OEA28 module: Maximum 8 contact blocks Mounting under mechanism cover: Maximum 4 contact blocks

Terminal lugs

For Use On	Wire Size	Wire Type	Lugs/Kit	Catalog number	List price
OS100	#14 - 2/0	Cu/Al	6	OZXA-24 ①	\$ 24
OS200	#4 - 300 kcmil #4 - 300 kcmil (6) 14-6 AWG	Cu/Al	6	OZXA-200	80
			3	OZXA-200/3	40
			3	OZXA-206/S	200
OS400	#2 - 600 kcmil (2) #2 - 300 kcmil (2) #2 - 500 kcmil	Cu/Al	6	OZXA-400	190
			6	OZXA-402	210
			6	OZXA-33	375
OS600	(2) #2 - 600 kcmil (2) - 600 kcmil	Cu/Al	6	OZXA-800	360
			3	OZXA-800/3	180
OES800	(12) #14 - 6 kcmil (2) #2 - 600 kcmil (2) #2 - 600 kcmil	Cu/Al	3	OZXA-175/400	270
			6	OZXA-27	380
			3	OZXA-27/3P	190

① Not suitable for use on cable operated flange version of OS100.

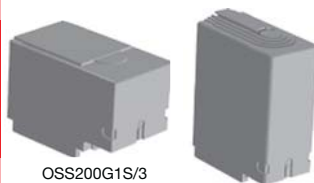
Standard fusible accessories Base & DIN rail mounted switches



OESA-ZX171

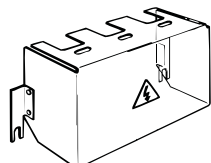


OSS160T3



OSS200G1S/3

OSS200G1L/3



OESA-ZX70
OESA-ZX123
OESA-ZX125



OFM_



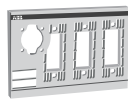
OSC60J_



CXBY68362



OESA-ZX271
OESA-ZX216



OESA-ZX272
OESA-ZX196



OESA-ZX273
OESA-ZX197

Additional poles

Description	For use on	Weight (Lbs.)	AC Thermal amp rating	AC rated voltage	Catalog number	List price
Detachable neutral mounts on side of switch or DIN rail	OS30	0.45	30	600	OESA-ZX171	\$ 40
	OS60	0.13	63	600	OSZ1	50
	OS100	0.31	125	600	OSZ2	50
	OES800	1.19	800	600	OESA-ZX88	160

Terminal shrouds ①

Description	For Use On	Weight (Lbs.)	Catalog number	List price
Terminal shroud for one pole	OS100	0.04	OSS160T1	\$ 20
	OS100	0.04	OSS160T3	60
3 pole long type shrouds	OS200	0.20	OSS200G1L/3	50
3 pole short type shrouds	OS200	0.13	OSS200G1S/3	50
4 Pole long type shrouds	OS200	0.26	OSS200G1L/4	65
4 pole Short type shrouds	OS200	0.18	OSS200G1S/4	61
3 Pole includes one shroud for line or load side ②	OS400	0.13	OSS403	190
	OS600	0.11	OSS603	220
	OES800	0.11	OESA-ZX125	160

Fuse monitors

Blown fuse indicators/monitors

For Use With	Rated Voltage	Weight (lbs)	Catalog number	List price
OS30-600 and OES800	100-240	0.31	OFM240	\$ 290
	380-600	0.31	OFM600	290

Suitable for 1 or 3 phase circuits. Includes 1 N.O. and 1 N.C. auxiliary contacts and red & green LED lights for indication.

Fuse Monitor Mounting Accessories

For Use With	Crimp Terminal size (mm)	Catalog number	List price
OS30-200	2.8-0.8	OFMZ2	\$ 20
OS400-600, OES800 Includes 6 crimp terminals	6.3-0.8	OFMZ4	70

Fuse carriers/covers

Description	For Use on	Catalog number	List price
CC fuse carrier (Qty. 1)	OS30AFCC_	OESAZD48	\$ 50
J fuse carrier (Qty. 1)	OS30AFJ_	OESAZD28	50
Solid link carrier (Qty. 1)	OS30_	OESAZD55	50
Removable fuse carrier (Qty. 3)	OS60J12	OSC60J3	60
Removable fuse carrier (Qty. 4)	OS60J22F	OSC60J4	200
Transparent fuse cover Fuse Cover	OS100	CXBY68362	20
	OS200	CXBY68674	20
2 pole fuse cover	OES800	OESA-ZX216	180
3 pole fuse cover		OESA-ZX196	260
4 pole fuse cover		OESA-ZX197	350
Fuse Cover Interlock - prevents fuse cover from being opened when the switch is in the ON position	OES800	OESA-ZX204	90

① ABB switches are IP20 touchsafe as standard. Terminal shrouds provide an extra degree of protection.

② For 4 pole shrouds, please consult factory.

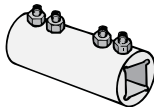
Standard fusible accessories

Base & DIN rail mounted switches

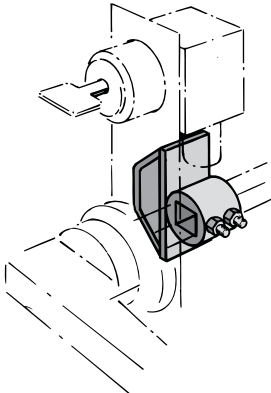
Disconnect
switches
Fusible



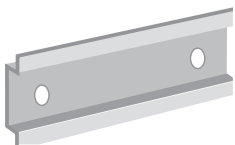
OHZX10



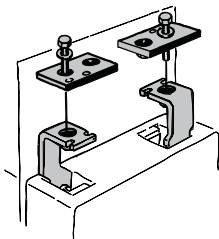
OETL-ZX95



OETL-ZW16



DIN rail



OESA-ZX1-J1T6

Miscellaneous accessories & replacement parts

Shaft accessories

Accessory Type	Description	For Use On	Weight	Catalog number	List price
Shaft Adapter	Adapts one end of a 6m shaft to 12mm (use with shaft extension coupler)	6mm shafts	0.2	OETL-ZK19	\$ 40
Shaft Extension Coupler	Joins two shafts together for applications where extended length is required	6mm shafts 12mm shafts	0.26 0.26	OESA-ZX167 OETL-ZX95	56 100
Shaft Guide	Fits all pistol grip handles, mounts on the inside of the enclosure door with provided hardware	pistol handles	-	OHZX10	12

Locking accessories

Accessory Type	Description	For Use On	Weight	Catalog number	List price
Cam Attachment	for Kirk Key, Castell, Low & Fletcher and Ronis interlock. For adapting to the interlock system. The interlock is not included.	OS60-OS200 OS400-OS600	0.25 0.29	OETL-ZW16 OETL-ZW5	\$ 190 190
Electrical Interlock	Closed circuit principle for interlocking the switch movement. When the coil circuit is dead, A-types cannot be operate to O-position and L-types cannot be operated to ON- or OFF-position. Coil voltages 110VAC, 220 VAC, 24VDC, 48VDC, 60VDC, 110VDC, 220VDC, P - 15W U = 0.7 - 1.1 Un (U = coil voltage, Un = nominal voltage)	OES800	2.42	OETL-ZT80AΔ OETL-ZT80LΔ	1280 1220

Δ = Coil Voltage

Shorting bars

Description	For Use On	AC thermal amp rating	AC rated voltage	Catalog number	List price
Dummy Fuse	OS60	60	600	OESA-ZD54	\$ 50
Solid links: metal strap	OS100	100	600	OESA-ZS36	24
	OS200	400	600	OESA-ZK98	23

T type fuse adapter kit

For Use on	For Use with	AC thermal amp rating	AC rated voltage	Poles	Catalog number	List price
OES800	300 & 600V Class T fuse	800	600	3	OESA-ZX1-L8T6	\$ 280

Replacement parts

Item	Description	For use on	Catalog number	List price
Terminal cover	Covers terminal below fuse carrier	OS30_	CXBY67121	\$ 10
Phase Barrier	-	OS200	CXBY68794	15
Shaft Set Screw	-	OS30_	FLSWM5X8AX	2