

Technical data

OS30A_12 – OES800L3

IEC

Disconnect
switches
Fusible

IEC

Catalog number	3 pole	OS30A_12	OS60J12	OS100J03	OES200J3	OES400J3	OES600J3	OES800L3
Rated breaking capacity								
in category AC-23A	500V A	256	504	1280	2000	3200	5760	5760
	690V A	256	504	1280	2000	3200	5760	5760
Rated breaking capacity/poles in series								
in category DC-23	<220V A	128/2	—	—	1000/2	1600/2	3200/2	3200/2
	440V A	128/4	—	—	1000/2	1600/2	3200/2	3200/2
	500 – 750V A	—	—	—	1000/3	1600/3	3200/3	3200/3
	1000V A	—	—	—	—	—	3200/4	3200/4
Rated conditional short-circuit current r.m.s. ^①								
	80 kA, 415V kA	9	17	22	40	40	75	75
	100 kA, 500 V kA	7.5	17	22	40	40	75	75
	50 kA, 690 V kA	6	13	15	35	35	60	60
	Rated short time withstand current, 1s. kA	1	2.5	5	8	10	16	16
Rated capacitor power								
The capacitor rating of the fusible disconnect switch is limited by the fuse link								
	400 V kVar	15	30	—	90	180	250	310
	415V kVar	15	32	—	100	200	270	340
	690V kVar	25	50	—	160	325	450	550
Power loss/pole								
with rated current, without fuse	W	2	4	9	5	30	55	77
Mechanical endurance	operations	20,000	20,000	20,000	16,000	16,000	10,000	10,000
Fuse types, IEC 269-2								
	DIN 43620	—	000, 00	000, 00	0 – 1	0 – 2	3	3
	NFC	10 x 38, 14 x 51	14 x 51, 22 x 58	22 x 58	0 – 1	0 – 2	3	—
	BS 88	A1, A2, F1	A2 – A3	A2 – A4	B1 – B3	B1 – B4	C1 – C2	C1 – C3
size/distance of link bolts								
		M4/44.5(A1) M5/73(A2)	M5/73	M5/73 M8/94	M8/111	M8/111	M10/133, 184	M10/133, 184
Physical characteristics								
Weight	3 pole kg	0.7	1.3	1.5	6.9	7.8	17.0	17.0
	4 pole kg	0.9	1.6	1.8	7.9	8.8	21.0	21.0
Dimension	3 pole							
	H mm	93	100	144	200	226	282	282
	W mm	106	143	179	262	286	376	376
	D mm	104	120	129	198	205	233	233
Shaft size	square mm	5 x 5	6 x 6	6 x 6	12 x 12	12 x 12	12 x 12	12 x 12
Terminals								
Built-in terminal size	mm ²	0.5 – 10	2.5 – 25	—	—	—	—	—
Terminal bolt size, metric thread	diameter x length mm	—	—	M6 x 20	M10 x 40	M10 x 40	M12 x 40	M12 x 40
Terminal bolt tightening torque	Nm	2	3.5	6 – 9	30 – 44	30 – 44	50 – 75	50 – 75
Fuse-links bolts tightening torque	Nm	2	3.5	3.5 – 5	15	15	40	40
Operating torque	Nm	3	4	8	22	22	28	28
Auxiliary contacts								
		OA4G_ ^①	OA1/3G ^②	OA_G_ ^②	OA_G_ ^②	OZ XK_	OZ XK_	OZ XK_
Ratings according to IEC 947-5-1								
Rated voltage, U _i	VAC	690	690	690	690	690	690	690
Thermal current, I _{th}	A	10	16	16	16	10	10	10
AC12 / DC12, I _e	U _e =24V	— / 6	—	—	—	—	—	—
	120V	— / 6	—	—	8 / —	8 / —	8 / —	8 / —
	125V	—	—	—	— / 1.1	— / 1.1	— / 1.1	— / 1.1
	230V	—	6 / —	6 / —	6 / —	6 / —	6 / —	6 / —
	250V	3 / 0.1	—	—	— / 0.55	— / 0.55	— / 0.55	— / 0.55
	400V	—	4 / —	4 / —	4 / —	4 / —	4 / —	4 / —
	415V	—	—	—	4 / —	4 / —	4 / —	4 / —
	440V	2 / —	—	—	— / 0.31	— / 0.31	— / 0.31	— / 0.31
	480V	—	—	—	3 / —	3 / —	3 / —	3 / —
	500V	—	—	—	3 / 0.27	3 / 0.27	3 / 0.27	3 / 0.27
	600V	—	—	—	— / 0.2	— / 0.2	— / 0.2	— / 0.2
	690V	—	2 / —	2 / —	2 / —	2 / —	2 / —	2 / —

① AC15 / DC12, according to IEC 947-5-1

② AC15, according to IEC 947-5-1

③ Values shown are corresponding max. allowed cut-off current, peak-values per single phase fuse tests.