



CSA & UL Technical data for Non-fusible disconnect switches OT200U03 – OETL-NF2000

CSA & UL

Catalog number	3 pole	OT200U03	OT400U03	OT600U03	OT800U03	OT1200U03	OETL-NF1600	OETL-NF2000
Approvals ^①	2 pole 3 pole 4 pole	CSA C22.2 No.4 CSA C22.2 No.4 CSA C22.2 No.4	CSA C22.2 No.4 CSA C22.2 No.4 CSA C22.2 No.4	CSA C22.2 No.4 CSA C22.2 No.4 CSA C22.2 No.4	CSA C22.2 No.4 CSA C22.2 No.4 CSA C22.2 No.4	CSA C22.2 No.4 CSA C22.2 No.4 CSA C22.2 No.4	CSA C22.2 No.4 CSA C22.2 No.4 IEC	CSA C22.2 No.4 CSA C22.2 No.4 IEC
General purpose amp rating pf = 0.7 – 0.8	40°C A	200	400	600	800	1200	1600	2000
Max. operating voltage	V	600VAC / 250VDC	600VAC / 250VDC	600VAC / 250VDC	600VAC / 250VDC	600VAC / 250VDC	600VAC / 250VDC	480
Max. horsepower rating/Max. motor FLA current, pf = 0.4 – 0.5								
Three phase	208V HP/A 240V HP/A 480V HP/A 600V HP/A	60/178 75/192 150/180 200/192	100/286 125/312 250/302 350/336	150/416 200/480 450/515 500/472	200/528 250/602 500/590 500/576	— — — —	— — — —	— — — —
Single phase	120V HP/A 240V HP/A	— —	— —	— —	— —	— —	— —	— —
Short circuit rating with fuse								
Fuse type CC	kA	—	—	—	—	—	—	—
Fuse type J	kA	100 65	100	100	—	—	—	—
Fuse type T	kA	—	—	100	—	—	—	—
Fuse type RK1	kA	—	—	—	—	—	—	—
Fuse type RK5	kA	—	—	—	—	—	—	—
Fuse type L	kA	—	—	100	100	100	100	100
Fuse type H	kA	—	—	—	—	—	—	—
Max. fuse size	A	200 400	600	800	800	1200	2000	2000
Short circuit rating with MCCB	kA	15	30	50	50	50	65	65
Endurances								
Min. Electrical endurance, pf = 0.75 – 0.80	operation cycles	6000	1000	1000	500	500	500	500
Min. Electrical endurance, pf = 0.40 – 0.50	operation cycles	②	②	②	②	②	②	②
Mechanical endurance	operations	20,000	16,000	10,000	6000	6000	6000	1200
Physical characteristics								
Weight, switches	3 pole Kg 4 pole Kg	1.2 1.5	2.2 2.8	5.2 6.5	15.2 19.5	15.2 22	37 68	37 68
Dimension, switches	3 pole H mm W mm D mm	170 170 84	220 221 105	250 266 139	372 334 141	372 334 141	636 468 271	636 468 271
Shaft size — square	mm	6 x 6	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
Switch operating torque for rotary 3 pole switches	lb. in.	62	142	184	184	184	438	438
Terminal lug kits								
Wire range	AWG	#4-300kcmil ^③	#2-600kcmil	(2)#2-600kcmil	(4)#2-600kcmil	(4)#2-600kcmil	(4)#2-600kcmil	(8)#2-600kcmil
Torque:								
Wire tightening	lb. in.	200	375	375	375	375	375	375
Lug mounting	lb. in.	75	240	240	240	240	230	230
Auxiliary contacts								
NEMA ratings, AC		OA1G-__ A600	OA1G-__ A600	OA1G-__ A600	OA1G-__ A600	OA1G-__ A600	OZ XK-__ A600	OZ XK-__ A600
AC rated voltage	VAC	600	600	600	600	600	600	600
AC thermal rated current	A	10	10	10	10	10	10	10
AC maximum volt-ampere making	VA	7200	7200	7200	7200	7200	7200	7200
AC maximum volt-ampere breaking	VA	720	720	720	720	720	720	720
NEMA ratings, DC		P600	P600	P600	P600	P600	P600	P600
DC rated voltage	VDC	600	600	600	600	600	600	600
DC thermal rated current	A	5	5	5	5	5	5	5
DC maximum make-break	VA	138	138	138	138	138	138	138
Torque:								
Wire tightening	lb. in.	7	7	7	7	7	7	7
Wire range	AWG	#22 – #14	#22 – #14	#22 – #14	#22 – #14	#22 – #14	#22 – #14	#22 – #14

① CSA Approved switches are also UL Listed.

② CSA 22.2 No. 4 overload test, 50 operations, pf 0.40 – 0.50 at 2x FLA.

③ Multi-tap lug available, please see pg. 1.21.



IEC Technical data for Non-fusible disconnect switches OT200 – OETL-NF2000

IEC

Catalog number	3 pole	OT200U03	OT400U03	OT600U03	OT800U03	OT1200U03	OETL-NF1600	OETL-NF2000
Rated insulation and operational voltage, AC20 and DC20	40°C V	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage	kV	12	12	12	12	12	8	8
Rated thermal current, I_{th}								
AC 20/DC 20	open A	250	400	800	1250	1600	2500	3150
	40°C enclosed A	250	400	800	1250	1600	2300	2300
	60°C enclosed A	—	—	—	1000	1250	1950	1950
Rated operational currents								
AC 22A	Up to 415 V A	250	400	800	1000	1600	2500	2500
	440 - 500 V A	250	400	800	1000	1600	2500	2500
	690 V A	250	400	800	800	1250	—	—
AC 23A	Up to 415 V A	250	400	800	800	1000	1600	1600
	440 - 500 V A	250	400	800	800	1000	—	—
	690 V A	250	400	800	650	650	—	—
Rated operational currents								
DC21A	48V A	250/1	400/2	800/2	—	—	2500/2	2500/2
	110V A	250/2	400/2	800/2	—	—	2500/2	2500/2
	220V A	250/2	400/2	800/2	—	—	2500/2	2500/2
	440V A	250/3	400/3	800/3	—	—	2500/3	2500/3
	750V A	250/4	—	—	—	—	—	—
DC22A	48V A	250/1	400/2	800/2	—	—	2500/2	2500/2
	110V A	250/2	400/2	800/2	—	—	2500/2	2500/2
	220V A	250/2	400/2	800/2	—	—	2500/2	2500/2
	440V A	250/3	400/3	800/3	—	—	—	—
	750V A	250/4	—	—	—	—	—	—
DC23A	48V A	250/1	630/2	—	—	—	—	—
	110V A	250/2	630/2	—	—	—	—	—
	220V A	250/2	630/2	—	—	—	—	—
	440V A	250/3	—	—	—	—	—	—
	750V A	250/4	—	—	—	—	—	—
Rated operational power								
AC23A	230V kW	75	110	—	—	250	250	250
	400/415V kW	132	220	450	560	400	400	400
	500V kW	170	280	560	710	450	450	450
	690V kW	240	390	800	800	—	—	—
Short-circuit current	kA	100	100	100	50	50	50	50
with back-up fuses of size	A	355	500	800	1000	1250	1600	2000
Rated short-circuit making capacity, prospective peak value, I _{cm} 690V	kA	30	65	80	110	110	105	105
Rated short time withstand current,								
RMS I _{cw}	0.2s kA	15	24	36	50	56	—	—
RMS I _{cw}	1.0s kA	8	15	20	50	50	80	80
AC breaking capacity								
pf = 0.35	≤415V A	2000	3200	5760	10000	10000	6400	6400
	≤500V A	2000	3200	5600	10000	10000	6400	6400
	≤690V A	2000	3200	5600	6400	6400	4800	4800
DC breaking capacity								
	48V A	1000/2	—	—	—	—	—	—
	110V A	1000/2	—	—	—	—	—	—
	220V A	1000/2	1600/2	2000/2	1900/2	2600/2	2600/2	2600/2
	440V A	1000/3	1600/3	2000/3	—	—	—	—
	750V A	1000/4	—	—	—	—	—	—