

Disconnect
switches
Non-fusible

Technical data OT16E3 – OT160E3 UL & CSA

UL & CSA

Catalog number	3 pole	OT16E3	OT25E3	OT32E3	OT45E3	OT63E3	OT30E3	OT60E3	OT100E3	OT160E3	
Approvals ^①	2 pole 3 pole 4 pole	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL508 & IEC UL508 & IEC	N/A UL98 & IEC UL98 & IEC	N/A UL98 & IEC UL98 & IEC	N/A UL98 & IEC UL98 & IEC	UL98 & IEC UL98 & IEC UL98 & IEC	
General purpose amp rating -40° to 40°C pf = 0.7 – 0.8	A	16	25	40	60	80	30	60	100	125	
Max. operating voltage	V	600	600	600	600	600	600	600	600	600	
Max. horsepower rating/motor FLA current, pf = 0.4 – 0.5											
Three phase	200V – 208V 240V 480V 600V	HP/A HP/A HP/A HP/A	3/10.6 5/15.2 10/14.0 10/11.0	7.5/24.2 7.5/22.0 15/21.0 20/22.0	10/30.8 10/28.0 20/27.0 25/27.0	15/46.2 15/42.0 30/40.0 30/32.0	20/60.0 20/54.0 40/52.0 40/41.0	10/30.8 10/28.0 20/27.0 30/32.0	20/60.0 20/54.0 40/52.0 40/41.0	25/75.0 30/80.0 50/65.0 50/52.0	30/88.0 40/104.0 75/96.0 100/99.0
Single phase	120V 240V	HP/A HP/A	1/16 2/13.2	1.5/20 3/18.7	2/24 5/30.8	2/24.0 7.5/40.0	2/24.0 10/57.5	2/24.0 5/28.0	3/34.0 7.5/40.0	5/56.0 15/68.0	7.5/80 20/88.0
Short circuit rating with fuse											
Fuse type CC	kA	10	10	10	10	10	10	10	10	10	
Fuse type J	kA	10	10	10	10	100	100	50	50	50	
Fuse type T	kA	10	10	10	10	100	100	50	50	50	
Fuse type RK1	kA	10	10	10	10	—	—	—	—	—	
Fuse type RK5	kA	5	5	5	5	10	5	—	—	—	
Fuse type L	kA	—	—	—	—	—	—	—	—	—	
Fuse type H	kA	—	—	—	—	5	5	—	—	—	
Maximum fuse size	A	30	60 ^④	30	60 ^④	100	150	100	150	60	200
Short circuit rating with MCCB	kA	—	—	—	—	—	—	—	—	—	25
Endurances											
Min. Electrical endurance, pf = 0.75 – 0.80	operation cycles	6000	6000	6000	6000	6000	6000	6000	6000	6000	
Min. Electrical endurance, pf = 0.40 – 0.50	operation cycles	1000	1000	1000	1000	1000	②	②	②	②	
Mechanical endurance	operations	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	16,000	
Physical characteristics											
Weight, switches	3 pole 4 pole	lb	0.24 0.33	0.24 0.33	0.24 0.33	0.59 0.77	0.59 0.77	0.79 1.10	0.79 1.10	0.79 1.10	2.42 2.86
Dimension, switches	3 pole	H in W in D in	2.68 1.38 2.20	2.68 1.38 2.20	2.68 1.38 2.20	3.60 2.07 2.85	3.60 2.07 2.85	3.94 2.76 2.95	3.94 2.76 2.95	3.94 2.76 2.95	5.00 4.96 2.93
Shaft set screw tightening torque	lb. in.	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Shaft size — square □	in	.20 x .20	.20 x .20	.20 x .20	.20 x .20	.20 x .20	.20 x .20	.20 x .20	.20 x .20	.20 x .20	.24 x .24
	mm	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5	5 x 5	6 x 6
Switch operating torque for rotary 3 pole switches	lb. in.	8.8	8.8	8.8	10.5	10.5	17.5	17.5	17.5	17.5	52.5
Terminal lug kits											
Wire range	AWG	Not required #18 – 8	Not required #18 – 8	Not required #18 – 8	Not required #14 – 1	Not required #14 – 1	Not required #14 – 4	Not required #14 – 4	Not required #14 – 4	Not required #8 – 1/0	Not required #8 – 1/0
Torque:											
Wire tightening	lb. in.	7	7	7	18	18	55	55	55	70	
Lug mounting	lb. in.	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral	
Auxiliary contacts											
NEMA ratings, AC		OA1G __ A600	OA1G __ A600	OA1G __ A600	OA1G __ A600	OA1G __ A600	OA1G __ A600	OA1G __ A600	OA1G __ A600	OA1G __ A600	OBEA __ A600
AC rated voltage	VAC	600	600	600	600	600	600	600	600	600	
AC thermal rated current	A	10	10	10	10	10	10	10	10	10	
AC maximum volt-ampere making	VA	7200	7200	7200	7200	7200	7200	7200	7200	7200	
AC maximum volt-ampere breaking	VA	720	720	720	720	720	720	720	720	720	
NEMA ratings, DC		R300	R300	R300	R300	R300	R300	R300	R300	P600	
DC rated voltage	VDC	300	300	300	300	300	300	300	300	600	
DC thermal rated current	A	1	1	1	1	1	1	1	1	5	
DC maximum make-break	VA	28	28	28	28	28	28	28	28	138	
Torque: Wire tightening	lb. in	7	7	7	7	7	7	7	7	7	
Wire range	AWG	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#18 – 14	#22 – 14	

- ① UL Listed switches are also CSA Approved.
 ② UL98 overload test, 50 operations, pf 0.40 – 0.50 at 2x FLA.
 ③ Multi-tap lug available, please see pg. 17.24.
 ④ Fuse size 70A for RK5