

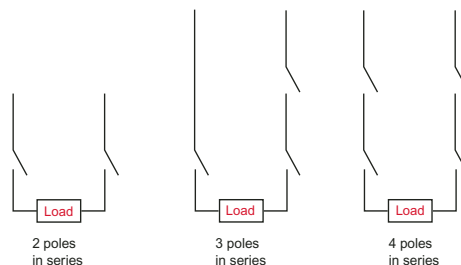
# Technical data

## OT16E3 – OT160E3

### IEC

### IEC

Catalog number	3 pole	OT16E3	OT25E3	OT32E3	OT45E3	OT63E3	OT30E3	OT60E3	OT100E3	OT160E3	
Rated voltage, U <sup>e</sup>	V/V	415/690	415/690	415/690	415/690	415/690	415/690	415/690	415/690	500/690	
Rated conditional short-circuit current	kA	50	50	50	50	50	50	50	50	100/50	
Max. allowed fuse size, type OFAA	A	25	32	40/32	63/50	80	100	100	100	200	
Max. allowed cut-off current, peak value	kA	6.5/4	6.5/4	6.5/4	8.3/6.7	11	18/10	18/10	18/10	30/25	
Rated short-circuit making capacity, prospective peak value, I <sup>cm</sup>	kA	0.7	0.7	0.7	1.4	1.4	3.6	3.6	3.6	12	
<b>Rated short time withstand current,</b>											
RMS I <sup>CW</sup> 0.2s	kA	—	—	—	—	—	—	—	—	7	
RMS I <sup>CW</sup> 1.0s	kA	0.5	0.5	0.5	1	1	2.5	2.5	2.5	4	
<b>AC breaking capacity</b>											
pf = 0.35	≤415V	A	128	160	184	240	304	320	504	640	1080
	≤500V	A	128	160	184	240	256	320	480	480	1000
	≤690V	A	80	88	96	160	160	320	320	320	640
<b>DC breaking capacity/poles in series</b>											
L/R = 15ms, 3 pole in series											
≤48V	A	64/1	100/1	128/1	180/1	252/1	160/1	252/1	400/1	640/1	
≤110V	A	64/2	100/2	128/2	180/2	252/2	160/2	252/2	400/2	640/1	
≤220V	A	64/3	100/4	128/4	180/4	180/4	160/4	252/4	252/4	640/2	
≤440V	A	①	①	①	①	①	①	①	①	640/3	
≤750V	A	①	①	①	①	①	①	①	①	①	
Capacitor ratings	≤400/415V	kVar	①	①	①	①	①	①	①	①	
<b>Physical characteristics</b>											
Electrical endurance at rated operational current, pf = 0.65 operation cycles											
			3000	3000	3000	3000	3000	3000	3000	1000	
Mechanical endurance operations											
			20,000	20,000	20,000	20,000	20,000	20,000	20,000	16,000	
Weight	3 pole	kg	0.11	0.11	0.11	0.27	0.27	0.36	0.36	1.1	
	4 pole	kg	0.15	0.15	0.15	0.35	0.35	0.5	0.5	1.3	
Dimension	3 pole	H mm	68	68	68	91.5	91.5	100	100	127	
		W mm	35	35	35	52.5	52.5	70	70	126	
		D mm	56	56	56	72.5	72.5	75	75	74.5	
Power loss per pole	W		0.3	0.6	1	1.4	2.8	1	1.6	6.5	
Shaft size — square □	mm		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											
	Nm		1	1	1	1.2	1.2	2	2	6	
Suitable conductor cross section Cu											
	mm <sup>2</sup>		0.75 – 10	0.75 – 10	0.75 – 10	1.5 – 25	1.5 – 25	1.5 – 25	1.5 – 25	10 – 70	
Bolt size											
			—	—	—	—	—	—	—	—	
Auxiliary contacts											
			OA1G_ _	OA1G_ _	OA1G_ _	OA1G_ _	OA1G_ _	OA1G_ _	OA1G_ _	OBEA_ _	
Ratings according to IEC 947-5-1											
Rated voltage, U <sup>i</sup>	VAC		690	690	690	690	690	690	690	690	
Thermal current, I <sup>th</sup>	A		16	16	16	16	16	16	16	10	
AC12/DC12 I <sup>e</sup> , A U <sup>e</sup> = 120V	125V	A	—	—	—	—	—	—	—	8/—	
	240V	A	6 ②	6 ②	6 ②	6 ②	6 ②	6 ②	6 ②	6/—	
	250V	A	—	—	—	—	—	—	—	—/0.55	
	400V	A	4 ②	4 ②	4 ②	4 ②	4 ②	4 ②	4 ②	4/—	
	415V	A	—	—	—	—	—	—	—	4/—	
	440V	A	—	—	—	—	—	—	—	—/0.31	
	480V	A	—	—	—	—	—	—	—	3/—	
	500V	A	—	—	—	—	—	—	—	3/0.27	
	600V	A	—	—	—	—	—	—	—	—/0.2	
	690V	A	2 ②	2 ②	2 ②	2 ②	2 ②	2 ②	2 ②	2/—	



① Not available at time of printing, please consult factory.  
② AC15, according to IEC947-5-1.