Overview
Non-fusible disconnect switches
OT16F3 – OT100F3

OT16F3 OT25F3 OT40F3

OT63F3 OT80F3

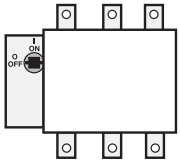
OT30F3 OT60F3 OT100F3

Catalog number	3 pole	OT16F3	OT25F3	OT40F3	OT63F3	OT80F3	OT30F3	OT60F3	OT100F3
General purpose amp rating	**A**	**20**	**30**	**40**	**60**	**80**	**30**	**60**	**100**
Catalog reference	Page #	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11
Approvals①									
	2 pole	—	—	—	—	—	—	—	—
	3 pole	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.4	CSA C22.2 No.4	CSA C22.2 No.4
	4 pole	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.4	CSA C22.2 No.4	CSA C22.2 No.4
Technical ratings CSA,UL②									
Max operating voltage	V	600	600	600	600	600	600VAC / 250VDC	600VAC / 250VDC	600VAC / 250VDC
Max horsepower rating Three phase									
208V	HP	3	7.5	10	15	20	10	20	25
240V	HP	5	7.5	10	15	20	10	20	30
480V	HP	10	15	20	30	40	20	40	50
600V	HP	10	20	25	30	40	30	40	50
Single phase									
120V	HP	1	1.5	2	2	2	2	3	5
240V	HP	2	3	5	7.5	10	5	7.5	15
Technical ratings IEC②									
Rated insulation and operational voltage. AC20 and DC20③	V	750	750	750	750	750	750	750	750
Rated thermal current, I_{th}									
AC 20/DC 20 open	A	25	32	40	63	80	40	63	115
AC 20/DC 20 enclosed	A	25	32	40	63	80	40	63	115
AC 21A ≤ 500V	A	16	25	40	63	80	40	63	100
690V	A	16	25	40	63	80	40	63	100
Rated operational power AC23									
400/415V	kW	7.5	9	11	22	37	15	18.5	37
690V	kW	7.5	9	11	15	18.5	15	15	37
Physical characteristics									
Weight ④ 3 pole	Kg	0.11	0.11	0.11	0.27	0.27	0.36	0.36	0.36
Dimension 3 pole	H mm	68	68	68	91	91	100	100	100
	W mm	35	35	35	53	53	70	70	70
	D mm	56	56	56	72	72	75	75	75
Accessories									
Terminal lug kit		Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral
Terminal shroud		•	•	•	•	•	•	•	•
Auxiliary contact		•	•	•	•	•	•	•	•
Handle CSA/UL/NEMA type									
Type 1, 3R, 12		•	•	•	•	•	•	•	•
Type 1, 3R, 4, 4X, 12		•	•	•	•	•	•	•	•
Handle type									
Selector		•	•	•	•	•	•	•	•
Pistol		•	•	•	•	•	•	•	•
Conversion kits									
6 pole		•	•	•	•	•	•	•	•
Transfer		•	•	•	•	•	•	•	•
Bypass		•	•	•	•	•	•	•	•
Mechanical interlock		•	•	•	•	•	•	•	•
Electrical interlock		—	—	—	—	—	—	—	—

• = Available
— = Not available

CSA approved, UL listed, IEC rated, CE marked

① CSA 22.2 No.4 (UL98) —CSA File #LR58077, UL File # E101914 , CSA 22.2 No. 14 (UL508) —CSA File #LR58247, UL File # E63822
② For complete technical information please see page 1.28 – 1.35.
③ 1000V, IEC 408.
④ Switch only



IEC Technical data
for Non-fusible disconnect switches
OT16F3 – OT160F3

IEC

Catalog number		3 pole	OT16F3	OT25F3	OT40F3	OT63F3	OT80F3	OT100F3	OT160E3
Rated insulation and operational		40°C							
voltage, AC20 and DC20		V	750	750	750	750	750	750	750
Rated impulse withstand voltage		kV	8	8	8	8	8	8	12
Rated thermal current, I_{th}									
AC 20/DC 20	open	A	25	32	40	63	80	115	200
	40°C enclosed	A	25	32	40	63	80	115	160
	60°C enclosed	A	25	32	40	63	80	115	160
Rated operational currents									
AC-22A	Up to 415 V	A	**16**	**25**	**40**	**63**	**80**	**100**	**160**
	440 - 500 V	A	16	25	40	63	80	100	160
	690 V	A	16	25	40	63	80	100	160
AC-23A	Up to 415 V	A	16	20	23	45	75	80	135
	440 - 500 V	A	16	20	23	45	58	60	125
	690 V	A	10	11	12	20	20	40	80
Rated operational currents/poles in series									
DC21A	48V	A	16/1	25/1	32/1	45/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	100/2	160/1
	220V	A	16/3	25/3	32/3	45/4	63/4	100/4	160/2
	440V	A	16/4	25/6	32/6	—	—	—	160/3
	750V	A	16/8	25/8	32/8	—	—	—	160/4
DC22A	48V	A	16/1	25/1	32/1	45/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	100/2	160/1
	220V	A	16/3	25/3	32/4	45/4	45/4	63/4	160/2
	440V	A	16/6	25/6	—	—	—	—	160/3
	750V	A	16/8	25/8	—	—	—	—	—
DC23A	48V	A	16/1	25/1	32/1	45/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	100/2	160/1
	220V	A	16/4	25/4	32/4	45/4	45/4	63/4	160/2
	440V	A	10/4	10/4	10/4	10/4	10/4	—	160/3
	750V	A	16/8	—	16/8	16/8	—	—	—
Rated operational power									
AC23A	230V	kW	3	4	5.5	11	22	22	45
	400/415V	kW	7.5	9	11	22	37	37	75
	500V	kW	7.5	9	11	22	37	37	75
	690V	kW	7.5	9	11	15	18.5	37	75
Short-circuit current		kA	50	50	50	50	50	50	100
with back-up fuses of size		A	25	32	40	63	80	100	200
Rated short-circuit making capacity,									
prospective peak value, I_{cm} 690V		kA	0.7	0.7	0.7	1.4	2.1	3.6	12
Rated short time withstand current,									
RMS I_{cw}	0.2s	kA	—	—	—	—	—	—	7
RMS I_{cw}	1.0s	kA	0.5	0.5	0.5	1	1.5	2.5	4
AC breaking capacity									
pf = 0.35	≤415V	A	128	160	184	240	304	640	1080
	≤500V	A	128	160	184	240	256	480	1000
	≤690V	A	80	88	96	160	160	320	640
DC breaking capacity/poles in series									
L/R = 15ms	≤48V	A	64/1	100/1	128/1	180/1	252/1	400/1	640/1
	≤110V	A	64/2	100/2	128/2	180/2	180/2	400/2	640/1
	≤220V	A	64/3	100/4	128/4	180/4	180/4	252/4	640/2
	≤440V	A	40/4	40/4	40/4	40/4	40/4	—	640/3
	≤750V	A	64/8	64/8	64/8	—	—	—	—

Overview
Non-fusible disconnect switches
OT16F3 – OT100F3

OT16F3 OT25F3 OT40F3

OT63F3 OT80F3

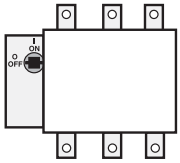
OT30F3 OT60F3 OT100F3

Catalog number	3 pole	OT16F3	OT25F3	OT40F3	OT63F3	OT80F3	OT30F3	OT60F3	OT100F3
General purpose amp rating	**A**	**20**	**30**	**40**	**60**	**80**	**30**	**60**	**100**
Catalog reference	Page #	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11
Approvals①									
	2 pole	—	—	—	—	—	—	—	—
	3 pole	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.4	CSA C22.2 No.4	CSA C22.2 No.4
	4 pole	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.14	CSA C22.2 No.4	CSA C22.2 No.4	CSA C22.2 No.4
Technical ratings CSA,UL②									
Max operating voltage	V	600	600	600	600	600	600VAC / 250VDC	600VAC / 250VDC	600VAC / 250VDC
Max horsepower rating Three phase									
208V	HP	3	7.5	10	15	20	10	20	25
240V	HP	5	7.5	10	15	20	10	20	30
480V	HP	10	15	20	30	40	20	40	50
600V	HP	10	20	25	30	40	30	40	50
Single phase									
120V	HP	1	1.5	2	2	2	2	3	5
240V	HP	2	3	5	7.5	10	5	7.5	15
Technical ratings IEC②									
Rated insulation and operational voltage. AC20 and DC20③	V	750	750	750	750	750	750	750	750
Rated thermal current, I_{th}									
AC 20/DC 20 open	A	25	32	40	63	80	40	63	115
AC 20/DC 20 enclosed	A	25	32	40	63	80	40	63	115
AC 21A ≤ 500V	A	16	25	40	63	80	40	63	100
690V	A	16	25	40	63	80	40	63	100
Rated operational power AC23									
400/415V	kW	7.5	9	11	22	37	15	18.5	37
690V	kW	7.5	9	11	15	18.5	15	15	37
Physical characteristics									
Weight ④ 3 pole	Kg	0.11	0.11	0.11	0.27	0.27	0.36	0.36	0.36
Dimension 3 pole	H mm	68	68	68	91	91	100	100	100
	W mm	35	35	35	53	53	70	70	70
	D mm	56	56	56	72	72	75	75	75
Accessories									
Terminal lug kit		Integral	Integral	Integral	Integral	Integral	Integral	Integral	Integral
Terminal shroud		•	•	•	•	•	•	•	•
Auxiliary contact		•	•	•	•	•	•	•	•
Handle CSA/UL/NEMA type									
Type 1, 3R, 12		•	•	•	•	•	•	•	•
Type 1, 3R, 4, 4X, 12		•	•	•	•	•	•	•	•
Handle type									
Selector		•	•	•	•	•	•	•	•
Pistol		•	•	•	•	•	•	•	•
Conversion kits									
6 pole		•	•	•	•	•	•	•	•
Transfer		•	•	•	•	•	•	•	•
Bypass		•	•	•	•	•	•	•	•
Mechanical interlock		•	•	•	•	•	•	•	•
Electrical interlock		—	—	—	—	—	—	—	—

• = Available
— = Not available

CSA approved, UL listed, IEC rated, CE marked

① CSA 22.2 No.4 (UL98) —CSA File #LR58077, UL File # E101914 , CSA 22.2 No. 14 (UL508) —CSA File #LR58247, UL File # E63822
② For complete technical information please see page 1.28 – 1.35.
③ 1000V, IEC 408.
④ Switch only



IEC Technical data
for Non-fusible disconnect switches
OT16F3 – OT160F3

IEC

Catalog number		3 pole	OT16F3	OT25F3	OT40F3	OT63F3	OT80F3	OT100F3	OT160E3
Rated insulation and operational		40°C							
voltage, AC20 and DC20		V	750	750	750	750	750	750	750
Rated impulse withstand voltage		kV	8	8	8	8	8	8	12
Rated thermal current, I_{th}									
AC 20/DC 20	open	A	25	32	40	63	80	115	200
	40°C enclosed	A	25	32	40	63	80	115	160
	60°C enclosed	A	25	32	40	63	80	115	160
Rated operational currents									
AC-22A	Up to 415 V	A	**16**	**25**	**40**	**63**	**80**	**100**	**160**
	440 - 500 V	A	16	25	40	63	80	100	160
	690 V	A	16	25	40	63	80	100	160
AC-23A	Up to 415 V	A	16	20	23	45	75	80	135
	440 - 500 V	A	16	20	23	45	58	60	125
	690 V	A	10	11	12	20	20	40	80
Rated operational currents/poles in series									
DC21A	48V	A	16/1	25/1	32/1	45/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	100/2	160/1
	220V	A	16/3	25/3	32/3	45/4	63/4	100/4	160/2
	440V	A	16/4	25/6	32/6	—	—	—	160/3
	750V	A	16/8	25/8	32/8	—	—	—	160/4
DC22A	48V	A	16/1	25/1	32/1	45/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	100/2	160/1
	220V	A	16/3	25/3	32/4	45/4	45/4	63/4	160/2
	440V	A	16/6	25/6	—	—	—	—	160/3
	750V	A	16/8	25/8	—	—	—	—	—
DC23A	48V	A	16/1	25/1	32/1	45/1	63/1	100/1	160/1
	110V	A	16/2	25/2	32/2	45/2	63/2	100/2	160/1
	220V	A	16/4	25/4	32/4	45/4	45/4	63/4	160/2
	440V	A	10/4	10/4	10/4	10/4	10/4	—	160/3
	750V	A	16/8	—	16/8	16/8	—	—	—
Rated operational power									
AC23A	230V	kW	3	4	5.5	11	22	22	45
	400/415V	kW	7.5	9	11	22	37	37	75
	500V	kW	7.5	9	11	22	37	37	75
	690V	kW	7.5	9	11	15	18.5	37	75
Short-circuit current		kA	50	50	50	50	50	50	100
with back-up fuses of size		A	25	32	40	63	80	100	200
Rated short-circuit making capacity,									
prospective peak value, I_{cm} 690V		kA	0.7	0.7	0.7	1.4	2.1	3.6	12
Rated short time withstand current,									
RMS I_{cw}	0.2s	kA	—	—	—	—	—	—	7
RMS I_{cw}	1.0s	kA	0.5	0.5	0.5	1	1.5	2.5	4
AC breaking capacity									
pf = 0.35	≤415V	A	128	160	184	240	304	640	1080
	≤500V	A	128	160	184	240	256	480	1000
	≤690V	A	80	88	96	160	160	320	640
DC breaking capacity/poles in series									
L/R = 15ms	≤48V	A	64/1	100/1	128/1	180/1	252/1	400/1	640/1
	≤110V	A	64/2	100/2	128/2	180/2	180/2	400/2	640/1
	≤220V	A	64/3	100/4	128/4	180/4	180/4	252/4	640/2
	≤440V	A	40/4	40/4	40/4	40/4	40/4	—	640/3
	≤750V	A	64/8	64/8	64/8	—	—	—	—