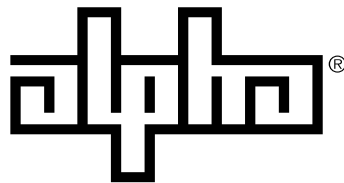


Fuses/Circuit Breakers

ORDERING GUIDE



an EnerSys company



an EnerSys company

Fuses/Circuit Breakers

An assortment of breakers/fuses that are designed and engineered to be installed within Alpha's power systems and distribution panels is provided below.

Bolt-In Breakers, Mid-Trip (214 Style)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
470-225-10	CB, 1P, 5A, 80VDC, #10-32 Bolt-In, Mid-trip	470-250-10	CB, 1P, 50A, 80VDC, #10-32 Bolt-In, Mid-trip
470-221-10	CB, 1P, 10A, 80VDC, #10-32 Bolt-In, Mid-trip	470-269-10	CB, 1P, 60A, 80VDC, ¼-20 Bolt-In, Mid-trip
470-222-10	CB, 1P, 15A, 80VDC, #10-32 Bolt-In, Mid-trip	470-270-10	CB, 1P, 70A, 80VDC, ¼-20 Bolt-In, Mid-trip
470-223-10	CB, 1P, 20A, 80VDC, #10-32 Bolt-In, Mid-trip	470-271-10	CB, 1P, 80A, 80VDC, ¼-20 Bolt-In, Mid-trip
470-224-10	CB, 1P, 30A, 80VDC, #10-32 Bolt-In, Mid-trip	470-272-10	CB, 1P, 90A, 80VDC, ¼-20 Bolt-In, Mid-trip
470-227-10	CB, 1P, 40A, 80VDC, #10-32 Bolt-In, Mid-trip		

Breakers for use with Alpha Panels

020-107-20, 020-526-20, 020-579-20

Bolt-In Breakers, Series-Trip (214 Style)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
470-248-10	CB, 1P, 0.5A, 65VDC, #10-32 Bolt-In, Series-trip	470-036-10	CB, 1P, 35A, 65VDC, #10-32 Bolt-In, Series-trip
470-055-10	CB, 1P, 1A, 65VDC, #10-32 Bolt-In, Series-trip	470-048-10	CB, 1P, 40A, 65VDC, #10-32 Bolt-In, Series-trip
470-168-10	CB, 1P, 2A, 65VDC, #10-32 Bolt-In, Series-trip	470-049-10	CB, 1P, 50A, 65VDC, #10-32 Bolt-In, Series-trip
470-056-10	CB, 1P, 3A, 65VDC, #10-32 Bolt-In, Series-trip	470-137-10	CB, 1P, 60A, 65VDC, ¼-20 Bolt-In, Series-trip
470-050-10	CB, 1P, 5A, 65VDC, #10-32 Bolt-In, Series-trip	470-112-10	CB, 1P, 70A, 65VDC, ¼-20 Bolt-In, Series-trip
470-051-10	CB, 1P, 10A, 65VDC, #10-32 Bolt-In, Series-trip	470-064-10	CB, 1P, 80A, 65VDC, ¼-20 Bolt-In, Series-trip
470-077-10	CB, 1P, 15A, 65VDC, #10-32 Bolt-In, Series-trip	470-113-10	CB, 1P, 90A, 65VDC, ¼-20 Bolt-In, Series-trip
470-047-10	CB, 1P, 20A, 65VDC, #10-32 Bolt-In, Series-trip	470-054-10	CB, 1P, 100A, 65VDC, ¼-20 Bolt-In, Series-trip
470-087-10	CB, 1P, 25A, 65VDC, #10-32 Bolt-In, Series-trip	4700229	CB, 1P, 125A, 80VDC, ¼-20 Bolt-In, Series-trip
470-052-10	CB, 1P, 30A, 65VDC, #10-32 Bolt-In, Series-trip		

Breakers for use with Alpha Panels

020-107-20, 020-526-20, 020-579-20

Alpha Technologies Ltd.

For more information visit www.alpha.com

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233
 United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

#0470203-00 Rev D (10/2019)

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice.
 Copyright © 2019 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies.



an EnerSys company

Bullet, Mid-Trip (Load Breakers)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
470-300-10	CB, 1 P, 1A, 80VDC, 5/16" Bullet, Mid-trip	470-312-10	CB, 1P, 60A, 80VDC, 5/16" Bullet, Mid-trip
470-301-10	CB, 1P, 3A, 80VDC, 5/16" Bullet, Mid-trip	470-313-10	CB, 1P, 70A, 80VDC, 5/16" Bullet, Mid-trip
470-302-10	CB, 1P, 5A, 80VDC, 5/16" Bullet, Mid-trip	470-314-10	CB, 1P, 80A, 80VDC, 5/16" Bullet, Mid-trip
470-303-10	CB, 1P, 10A, 80VDC, 5/16" Bullet, Mid-trip	470-315-10	CB, 1P, 90A, 80VDC, 5/16" Bullet, Mid-trip
470-304-10	CB, 1P, 15A, 80VDC, 5/16" Bullet, Mid-trip	470-316-10	CB, 1P, 100A, 80VDC, 5/16" Bullet, Mid-trip
470-305-10	CB, 1P, 20A, 80VDC, 5/16" Bullet, Mid-trip	470-317-10	CB, 2P, 110A, 65VDC, 5/16" Bullet, Mid-trip
470-306-10	CB, 1P, 25A, 80VDC, 5/16" Bullet, Mid-trip	470-318-10	CB, 2P, 125A, 65VDC, 5/16" Bullet, Mid-trip
470-307-10	CB, 1P, 30A, 80VDC, 5/16" Bullet, Mid-trip	470-319-10	CB, 2P, 150A, 65VDC, 5/16" Bullet, Mid-trip
470-308-10	CB, 1P, 35A, 80VDC, 5/16" Bullet, Mid-trip	4700234	CB, 2P, 175A, 65VDC, 5/16" Bullet, Mid-trip
470-309-10	CB, 1P, 40A, 80VDC, 5/16" Bullet, Mid-trip	4700154	CB, 2P, 200A, 80VDC, 5/16" Bullet, Mid-trip
470-310-10	CB, 1P, 45A, 80VDC, 5/16" Bullet, Mid-trip	470-357-10	CB, 3P, 225A, 80VDC, 5/16" Bullet, Mid-trip
470-311-10	CB, 1P, 50A, 80VDC, 5/16" Bullet, Mid-trip	470-342-10	CB, 3P, 250A, 80VDC, 5/16" Bullet, Mid-trip
5901664-001	Breaker Pulling Tool	4700149	CB, 3P, 300A, 80VDC, 5/16" Bullet, Mid-trip

Breakers for use with Alpha Panels

020-588-20, 020-589-20, 020-671-20, 020-675-20, 020-702-20, Vista Series, M Series, D Series, C Series, HX Series, BDFB 8x800 E2 Series, E1 Series, E3 Series, W Series

Bullet, Series-Trip (Battery Breakers)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
470-346-10	CB, 1P, 60A, 80VDC, 5/16" Bullet, Series-trip	4700153	CB, 2P, 200A, 80VDC, 5/16" Bullet, Series-trip
470-347-10	CB, 1P, 100A, 80VDC, 5/16" Bullet, Series-trip	470-674-19	CB, 3P, 250A, 80VDC, 5/16" Bullet, Series-trip
4700187	CB, 1P, 125A, 80VDC, 5/16" Bullet, Series-trip	4700235	CB, 3P, 300A, 80VDC, 5/16" Bullet, Series-trip
470-673-19	CB, 2P, 150A, 80VDC, 5/16" Bullet, Series-trip	5901664-001	Breaker Pulling Tool

Breakers for use with Alpha Panels

020-702-20, 030-770-20, 030-728-20, 030-782-20, 030-706-20, 030-773-20, 030-763-20, E1 Series, E3 Series

Alpha Technologies Ltd.

For more information visit www.alpha.com

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233
 United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

#0470203-00 Rev D (10/2019)

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice.
 Copyright © 2019 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies.



an EnerSys company

Bolt-In Breakers (218 Style, High Capacity)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
470-120-10	CB, 1P, 100A, 125VDC, 7/16" Bolt-In	470-122-10	CB, 2P, 300A, 160VDC, 7/16" Bolt-In
470-125-10	CB, 1P, 125A, 125VDC, 7/16" Bolt-In	470-126-10	CB, 2P, 400A, 160VDC, 7/16" Bolt-In
470-188-10	CB, 1P, 150A, 125VDC, 7/16" Bolt-In	470-210-10	CB, 3P, 450A, 160VDC, 7/16" Bolt-In
470-171-10	CB, 1P, 175A, 125VDC, 7/16" Bolt-In	470-123-10	CB, 3P, 500A, 160VDC, 7/16" Bolt-In
470-121-10	CB, 1P, 200A, 125VDC, 7/16" Bolt-In	470-219-10	CB, 3P, 600A, 160VDC, 7/16" Bolt-In
470-081-10	CB, 1P, 225A, 125VDC, 7/16" Bolt-In	470-208-10	CB, 3P, 700A, 160VDC, 7/16" Bolt-In
470-228-10	CB, 1P, 250A, 125VDC, 7/16" Bolt-In	612-931-P1	Breaker Guard

Breakers for use with Alpha Panels

020-534-20, 020-564-20

Bolt-In Breakers e/w Shunts (218 style, high capacity)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
4700244	HC Breaker, 1P, 100A, 125VDC, 25mV Shunt	4700247	HC Breaker, 3P, 600A, 125VDC, 25mV Shunt
4700245	HC Breaker, 1P, 250A, 125VDC, 25mV Shunt	4700248	HC Breaker, 4P, 800A, 125VDC, 25mV Shunt
4700246	HC Breaker, 2P, 400A, 125VDC, 25mV Shunt	612-931-P1	Breaker Guard

Breakers for use with Alpha Panels

W Series

Bolt-In Breakers w/o Shunts (218 style, high capacity)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
4700138	HC Breaker, 1P, 100A, 160VDC	4700148	HC Breaker, 3P, 600A, 100A, 160VDC
4700144	HC Breaker, 1P, 250A, 100A, 160VDC	4700150	HC Breaker, 4P, 800A, 100A, 160VDC
4700146	HC Breaker, 2P, 400A, 100A, 160VDC	612-931-P1	Breaker Guard

Breakers for use with Alpha Panels

W Series, C Series, HX Series

Alpha Technologies Ltd.

For more information visit www.alpha.com

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233
 United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

#0470203-00 Rev D (10/2019)

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice.
 Copyright © 2019 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies.



an EnerSys company

GMT Fuses

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
4600093	180mA, 60VDC, GMT Fuse	460-085-10	4A, 60VDC, GMT Fuse
4600094	1/4A, 60VDC, GMT Fuse	460-084-10	5A, 60VDC, GMT Fuse
460-004-10	1/2A, 60VDC, GMT Fuse	460-105-10	7.5A, 60VDC, GMT Fuse
4600095	3/4A, 60VDC, GMT Fuse	460-069-10	10A, 60VDC, GMT Fuse
460-006-10	1A, 60VDC, GMT Fuse	4600096	12A, 60VDC, GMT Fuse
460-081-10	1.3A, 60VDC, GMT Fuse	460-150-10	15A, 60VDC, GMT Fuse
460-082-10	1.5A, 60VDC, GMT Fuse	4600101	20A, 60VDC, GMT Fuse
460-083-10	2A, 60VDC, GMT Fuse	4600071	Gray Dummy GMT Fuse
460-013-10	3A, 60VDC, GMT Fuse		

Fuses for use with Alpha Panels

020-005-20, 020-103-20, 020-597-20, 0200094-001, GMT 10A/10B

TPS/TLS Fuses

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
460-217-10	TPS/TLS Fuse, 5A, 170VDC	460-225-10	TPS/TLS Fuse, 50A, 170VDC
460-218-10	TPS/TLS Fuse, 6A, 170VDC	460-226-10	TPS/TLS Fuse, 60A, 170VDC
460-219-10	TPS/TLS Fuse, 10A, 170VDC	460-227-10	TPS/TLS Fuse, 70A, 170VDC
460-220-10	TPS/TLS Fuse, 15A, 170VDC	460-229-10	TPS/TLS Fuse, 90A, 170VDC
460-221-10	TPS/TLS Fuse, 20A, 170VDC	460-230-10	TPS/TLS Fuse, 100A, 170VDC
460-222-10	TPS/TLS Fuse, 25A, 170VDC	4600056	TPS/TLS Fuse, 110A, 170VDC
460-223-10	TPS/TLS Fuse, 30A, 170VDC	4600057	TPS/TLS Fuse, 125A, 170VDC
460-224-10	TPS/TLS Fuse, 40A, 170VDC	520-059-10	TFD Fuse Holder
		520-046-10	GMT Fuse Cover

Fuses for use with Alpha Panels

020-588-20, 020-589-20, 020-671-20, 020-675-20, 020-702-20, Vista Series, M Series, D Series, C Series, HX Series, BDFB 8x800, W Series

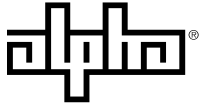
Alpha Technologies Ltd.

For more information visit www.alpha.com

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233
United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

#0470203-00 Rev D (10/2019)

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice.
Copyright © 2019 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies.



an EnerSys company

TPL Fuse

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
460-140-10	TPL Fuse, 100A, 170VDC	460-145-10	TPL Fuse, 400A, 170VDC
460-141-10	TPL Fuse, 150A, 170VDC	460-146-10	TPL Fuse, 500A, 170VDC
460-142-10	TPL Fuse, 200A, 170VDC	460-147-10	TPL Fuse, 600A, 170VDC
460-139-10	TPL Fuse, 250A, 170VDC	460-148-10	TPL Fuse, 800A, 170VDC
460-144-10	TPL Fuse, 300A, 170VDC		

Fuses for use with Alpha Panels

020-597-20

Breaker Adapter Kits

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
0370284-001	2P, CB Bus Kit, Vista Series Cabinets	0370288-001	2P, CB Bus Kit, Rear Access Panels
0370285-001	3P, CB Bus Kit, Vista Series Cabinets	0370289-001	3P, CB Bus Kit, Rear Access Panels
0370286-001	2P, CB Bus Kit, DCP03 Series Panels	0370207-001	2P, CB Bus Kit, BDFB 8x800A
0370287-001	3P, CB Bus Kit, DCP03 Series Panels	0370208-001	3P, CB Bus Kit, BDFB 8x800A
0370298-001	2P, CB Bus Kit, CXDM-E2	0370299-001	3P, CB Bus Kit, CXDM-E2

Alpha Technologies Ltd.

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233
United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

For more information visit www.alpha.com

#0470203-00 Rev D (10/2019)

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice.
Copyright © 2019 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies.