

1VAL2401-SG Rev B

Spare parts list with pricing for Outdoor Products Reclosers, breakers, & padmount switches



Reclosers

GridShield™ recloser

Order Style #	Description
12A00736H05	Actuator assist capacitor
Contact ABB	Single-phase upgrade
Contact ABB	15 KV, 800 A, 12.5 KA pole assembly/ kit (includes actuator)
Contact ABB	27 KV, 800 A, 12.5 KA pole assembly/ kit (includes actuator)
12A00927H02	Auxiliary microswitch
2RGA000562P0002	Position indicator cup (15/27 kV) (ANSI top)
2RGA000562P0004	Position indicator cup (15/27 kV) (IEC top)
2RGA000563P0002	Position indicator cup (15/27 kV) (ANSI and IEC bottom)
12A00903H02	120 VAC heater
12A00903H03	240 VAC heater
12A01347H02	12 V 12 A hr battery (must order 4 for 48 V)
12A03323G10	10 foot, 24 pin cable (voltage sensing) for connection between control and recloser
12A03323G20	20 foot, 24 pin cable (voltage sensing) for connection between control and recloser
12A03323G30	30 foot, 24 pin cable (voltage sensing) for connection between control and recloser
12A03323G40	40 foot, 24 pin cable (voltage sensing) for connection between control and recloser
12A03323G50	50 foot, 24 pin cable (voltage sensing) for connection between control and recloser
12A03323G60	60 foot, 24 pin cable (voltage sensing) for connection between control and recloser
5D31234G02	45 foot, 2 pin power cable
1B09772G01	45 foot, 5 pin power cable
1C11081G01	Pole mounting frame w/arrester mtg. bracket – unassembled
1C09934G01	Substation mounting frame height up to 95" – VT's mounted separately – unassembled
1C13200G01	Substation mounting frame height up to 121" – VT's mounted separately – unassembled
1C11081G05	VT C-channel mounting bracket for pole mtg. frame (15 or 27 KV)
1C11019G01	VT mounting bracket (substation mtg. frame) (15 or 27 KV)
1C11081G03	Bracket for 3 additional arresters on pole mtg. frame
12A00199H02	2-hole NEMA pad (Dia. 1" 12 threads) ¹
12A00198H02	4-hole NEMA pad (dia. 1" 12 threads) ¹
12A00897H01	Clamp terminal (#6 – 800 MCM) ¹
12A00482G01	Cable locking sleeve – 2 pin / 5 pin; (vandal guard)
1B09360H01	GridShield straight animal guard assembly 15/27 kV only ¹
1B09360H02	GridShield L-shaped animal guard assembly 15/27 kV only ¹
1B09356H10	GridShield PT animal guard assembly 15/27 kV only ¹
1VAL265401-MB	GridShield Instruction book (paper copy)
12A0404G01	Recloser simulator card kit (includes power supply and wire harness)
12A1605H02	Ferrite core suppression

Note 1 – Style numbers and prices are for one unit. The recloser will require a quantity of three of one style and three of another, or six of one style depending on the application

OVR-3 recloser / OVR-3SP and PCD

Order Style #	Description
616011-T6	PT/CT card feeder 1-16/0.2-3.2 A SEF (1.0-16.0AMP/0.2-3.2AMP WO/SEF)
616011-T7	PT/CT card feeder 1-16/0.2-3.2 A SEF (1.0-16.0AMP/0.2-3.2AMP W/SEF)
616011-T8	PT/CT card 600:1 CT w/o SEF ¹ , PCD2 600:1,WO/SEF,REDUCED RANG
616011-T9	PT/CT card 600:1 CT with SEF ¹ , PCD2 600:1,W/SEF, reduced range
616011-T10	PT/CT card 1000:1 CT w/o SEF ²
616011-T11	PT/CT card 1000:1 CT with SEF ²
620155-T9	CT/CVD card with SEF (matching card needed in high voltage cabinet) only used with internal voltage sensing reclosers
616002-T3	PS (power supply) 48 VDC input (4 input, 3 output & 1 alarm) for 38 kV OVR application only
616002-T4	PS (power supply) 125 VDC input (4 input, 3 output & 1 alarm)
620112-T348	UPS card type 3: 48 V standard (90 VAC-265 VAC) / DC (250) for 48 v battery (w/ regulated 12/24 V AUX DC output)
620112-T248	UPS card type 2: 48 V standard (90 VAC-265 VAC) (replaces UPS type 1 only) is not interchangeable with UPS type 3
616003-T3	UPS card type 1: 120VAC ² , PCD2000 battery UPS 24V
616004-T3	DIO type 1 I/O card 48 VDC 6-IN/4-OUT,PCD2000 digital I/O 48 VDC
616004-T4	DIO type 1 I/O card 125 VDC 6-IN/4-OUT,PCD2000 digital I/O 125 VDC
616004-T2	DIO type 1 I/O card 24 VDC ² ,PCD2000 digital I/O 24 VDC
616017-T2	DIO type 2 Recloser control card (FET card)
616007-T1	COM type 2A card unbuffered / isolated RS-232/RS-485, radial fiber port
616014-T6	COM type 4 card RS-232, RS-485, fiber optic with RS-232 CTS/RTS radio message control
COM620036	COM type 5 card dual port (required for loop control)
616019-T1	PCD faceplate w/ HLT (hot line tag) (ANSI)
616019-T2	PCD faceplate w/ HLT (hot line tag) (IEC)
616016-T2	CPU type 2
12A00736H02	Capacitor for low voltage cabinet, 68 VDC, card assist
12A00736H05	Actuator assist capacitor
Contact ABB	Single-phase upgrade (existing type 2 CPU required)
LCM620021	Loop Control Module (select COM-5 card separately)
LCM620229	LCM enhanced loop control (select COM-5 card separately)
12A00815G02	Regulator assembly with capacitor (used with 125 V power supply)
12A00802G03	ISDII
Contact ABB	15 KV, 630 A, 12.5 KA pole assembly/ kit
Contact ABB	15 KV, 800 A, 12.5 KA pole assembly/ kit
Contact ABB	15 KV, 800 A, 16 KA pole assembly/ kit
Contact ABB	27 KV, 800 A, 12.5 KA pole assembly/ kit
Contact ABB	27 KV, 800 A, 16 KA pole assembly/ kit
Contact ABB	38 KV, 800 A, 16 KA pole assembly/ kit
12A00927H01	Auxiliary microswitch
12A00123H01	Position indicator cup (green / top) – ANSI
12A00124H01	Position indicator cup (red / bottom) – ANSI
12A00123H02	Position indicator cup (red / top) – IEC
12A00124H02	Position indicator cup (green / bottom) – IEC
631A233H03	Thermostat thermodisc 70-80°F
12A00122H01	Thermistor, monitoring battery temperature
12A00903H02	120 VAC heater
12A00903H03	240 VAC heater
12A01347H02	12 V 12 A hr battery (order quantity 4 for 48 V)
12A00993G01	Surge protector assembly (15kV/27KV)
12A00993G03	Surge protector assembly (38kV)
12A00980G10	10 foot, 24 pin cable for connection between control and recloser
12A00980G17	17 foot, 24 pin cable for connection between control and recloser
12A00980G20	20 foot, 24 pin cable for connection between control and recloser (for non-voltage sensing reclosers)
12A00975G20	20 foot, 24 pin cable (for reclosers with internal voltage sensing)
12A00980G30	30 foot, 24 pin cable for connection between control and recloser (for non-voltage sensing reclosers)
12A00975G30	30 foot, 24 pin cable (for reclosers with internal voltage sensing)
12A00980G35	35 foot, 24 pin cable for connection between control and recloser (for non-voltage sensing reclosers)
12A00980G40	40 foot, 24 pin cable for connection between control and recloser (for non-voltage sensing reclosers)

OVR-3 recloser / OVR-3SP and PCD (continued)

Order Style #	Description
12A00975G40	40 foot, 24 pin cable with (for reclosers with internal voltage sensing)
12A00980G50	50 foot, 24 pin cable for connection between control and recloser (for non-voltage sensing reclosers)
12A00975G50	50 foot, 24 pin cable (for reclosers with internal voltage sensing)
5D31234G02	45 foot, 2 pin power cable
1B09772G01	45 foot, 5 pin power cable
1C11081G01	Pole mounting frame w/arrestor mtg. bracket – unassembled
1C09934G01	Substation mounting frame height up to 95" – VT's mounted separately - unassembled
1C13200G01	Substation mounting frame height up to Should be 121" – VT's mounted separately - unassembled
1C11081G05	VT C-channel mounting bracket for pole mtg. frame (15 or 27 KV)
1B08975G01	PCD control cabinet mounting assembly
1C11019G01	VT mounting bracket (substation mtg. frame) (15 or 27 KV)
1C11081G03	Bracket for 3 additional arresters on pole mtg. frame
12A00199H02	2-hole NEMA pad (Dia. 1" 12 threads) ³
12A00198H02	4-hole NEMA pad (dia. 1" 12 threads) ³
12A00897H01	Clamp terminal (#6 – 800 MCM) ³
12A00481G02	Cable locking sleeve – 24 pin; (vandal guard)
12A00482G01	Cable locking sleeve – 2 pin / 5 pin; (vandal guard)
1B09360H01	OVR straight animal guard assembly 15/27 kV only ³
1B09360H02	OVR L-shaped animal guard assembly 15/27 kV only ³
1B09356H10	OVR PT animal guard assembly 15/27 kV only ³
IB-38-737-5	Instruction book (paper copy)
Contact ABB	MET test adaptor
620262-T1	Recloser simulator card
620226-T1	Matching card for voltage sensing (located in recloser cabinet)
12A1605H01	Ferrite core suppression
628A676H121	One set of all sizes of PCD wiring terminal connectors
12A01810G01	Laptop stand for control cabinet

Important Notes:

Note 1 – Used on an OVR-3 only

Note 2 – Used on a Cooper Retrofit only

Note 3 – Style numbers and prices are for one unit. The recloser will require a quantity of three of one style and three of another, or six of one style depending on the application

OVR-1 and ISD

Order Style #	Description
5D31370G01	15/27 kV, OVR, Single Phase High Voltage
12A00802G04	ICD Hardware Version 2.2 firmware 3.2
12A00990G35	Single phase, Cable, 35ft, ASSM
12A01347H02	Lead-Acid battery, 12V, 12 AHR
628A940H70	MODBUS to DNP Converter for OVR-1
12A00199H02	Spade Term 2 Hole use with OVR; ST2C
1C13237H01	OVR, HV, Mounting Bracket
1C13229H01	LV, Cabinet, Mounting Bracket, 7GA. SS

Breakers

R-MAG® breaker 15 kV; 600, 800, 1200 A; up to 25 kA; 110 kV BIL

Order Style #	Description
1B09551G01	ED 2.0 Control Assembly, LV (includes control board, two electrolytic capacitors, pushbutton switch and connectors) ¹
1B09551G02	ED 2.0 Control Assembly, HV (includes control board, two electrolytic capacitors, pushbutton switch and connectors) ¹
1C11166G01	Interrupter Assembly (1200 A) ²
316D804G11	Standoff Insulator
316D804G72	Bushing (1200 A) standard creep
Contact ABB	A2+ Actuator and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

Note 2 - These styles apply to units made 10-01-07 to date. Please contact factory for breakers made prior to this date.

R-MAG 15 kV; 2000 A; up to 25 kA; 110 kV BIL

Order Style #	Description
1B09551G01	ED 2.0 Control Assembly, LV (includes control board, two electrolytic capacitors, pushbutton switch and connectors) ¹
1B09551G02	ED 2.0 Control Assembly, HV (includes control board, two electrolytic capacitors, pushbutton switch and connectors) ¹
1C13016G02	Interrupter Assembly (2000 A) ²
316D804G11	Standoff Insulator
1C13013G02	Bushing (2000 A) standard creep
Contact ABB	A2+ Actuator and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

Note 2 - These styles apply to units made 10-01-07 to date. Please contact factory for breakers made prior to this date.

R-MAG 15 kV; 3000 A; up to 25 kA; 110 kV BIL

Order Style #	Description
1B09551G01	ED 2.0 Control Assembly, LV (includes control board, two electrolytic capacitors, pushbutton switch and connectors) ¹
1B09551G02	ED 2.0 Control Assembly, HV (includes control board, two electrolytic capacitors, pushbutton switch and connectors) ¹
1C13113G01	Interrupter Assembly (3000 AA/3700 FA) ²
316D804G11	Standoff Insulator
8430C33G02	Bushing (3000 A) 3" diameter stud
Contact ABB	A2+ Actuator and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

Note 2 - These styles apply to units made 10-01-07 to date. Please contact factory for breakers made prior to this date.

R-MAG 27 kV; 1200 A; up to 25 kA; 125 kV BIL

Order Style #	Description
1B09551G07	ED 2.0 Control Assembly, LV (includes control board, three electrolytic capacitors, pushbutton switch and connectors) ¹
1B09551G08	ED 2.0 Control Assembly, HV (includes control board, three electrolytic capacitors, pushbutton switch and connectors) ¹
1C13012G02	Interrupter Assembly (1200 A) ²
5634B44H02	Standoff Insulator
316D804G80	Bushing (1200 A)
Contact ABB	A3+ Actuator and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

Note 2 - These styles apply to units made 10-01-07 to date. Please contact factory for breakers made prior to this date.

R-MAG 27 kV; 1200 A; up to 25 kA; 150 kV BIL

Order Style #	Description
1B09551G07	ED 2.0 Control Assembly, LV (includes control board, three electrolytic capacitors, pushbutton switch and connectors) ¹
1B09551G08	ED 2.0 Control Assembly, HV (includes control board, three electrolytic capacitors, pushbutton switch and connectors) ¹
1C13012G03	Interrupter Assembly (2000 A) ²
5634B44H02	Standoff Insulator
1C13013G02	Bushing (2000 A) standard creep
Contact ABB	A3+ Actuator and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

Note 2 - These styles apply to units made 10-01-07 to date. Please contact factory for breakers made prior to this date.

R-MAG 27 kV; 2000 A; up to 25 kA; 125 kV BIL

Order Style #	Description
1B09551G07	ED 2.0 Control Assembly, LV (includes control board, three electrolytic capacitors, pushbutton switch and connectors) ¹
1B09551G08	ED 2.0 Control Assembly, HV (includes control board, three electrolytic capacitors, pushbutton switch and connectors) ¹
1C13012G03	Interrupter Assembly (2000 A) ²
5634B44H02	Standoff Insulator
1C13013G02	Bushing (2000 A) standard creep
Contact ABB	A3+ Actuator and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

Note 2 - These styles apply to units made 10-01-07 to date. Please contact factory for breakers made prior to this date.

R-MAG 38 kV, 1200 A; up to 31.5kA; 200kV BIL

Order Style #	Description
5D31785G01	ED 2.0 Control Assembly, LV Full Optional Version (include control board, four electrolytic capacitor, pushbutton and connector) ¹
5D31785G02	ED 2.0 Control Assembly, HV Full Optional Version (include control board, four electrolytic capacitor, pushbutton and connector) ¹
1B09955G01	Interrupter Assembly (1200A)
1B09865G01	R-MAG Pole Connection (1200A)
1C09824G03	Bushing Assembly (1200A)
Contact ABB	A5+ Actuator 38kV and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

R-MAG 38 kV, 2000 A; up to 31.5kA; 200kV BIL

Order Style #	Description
5D31785G01	ED 2.0 Control Assembly, LV Full Optional Version (include control board, four electrolytic capacitor, pushbutton and connector) ¹
5D31785G02	ED 2.0 Control Assembly, HV Full Optional Version (include control board, four electrolytic capacitor, pushbutton and connector) ¹
1B09955G01	Interrupter Assembly (2000A)
1B09865G02	R-MAG Pole Connection (2000A)
1C13101G02	Bushing Assembly (2000A)
Contact ABB	A5+ Actuator 38kV and installation

Note 1 - ED2.0 Control Assembly with Extreme Temperature Version is also available.

Common parts to all R-MAG breakers

Order Style #	Description
12A01272G04	Electrolytic Capacitor (Qty 1) ¹
1C09396H04	16-Deck Auxiliary Switch
1C09396H05	20-Deck Auxiliary Switch
628A547H02	Mechanism Operations Counter
751017/804	Pushbutton Switch

Note 1 - These styles apply to units made 10-01-07 to date. Please contact factory for breakers made prior to this date.

Type R 15/27 kV, 600/800/1200/2000/3000 A

Order Style #	Description
L915165G01	Capacitor Trip Coil (52 ohm)
L915166G01	48/125 VDC trip and 125 VDC or 240 VAC close (8 ohm)
L915167G01	24/48 VDC Trip or 48 VDC or 120 VAC Close (3 ohm)
L992147G01	125 VDC Trip or Close (12 ohm)
316D804G23	120 VAC or 125 VDC Spring Charging Motor
316D804G55	240 VAC or 240 VDC Spring Charging Motor
316D804G85	48 VDC Spring Charging Motor
4990C92G05	Basic "Short"Mechanism, No Coils or Motor
4386B40G01	Capacitor Trip Device
316D804G39	Latch Check Switch
316D804G44	Motor Cutoff Switch

Type V 38 kV, 1200/2000 A, 22-40 kA and 15/27 kV,1200/2000 A, 40 kA

Order Style #	Description
7465C57G01	48 VDC Close Coil Assembly
7465C57G02	125 VDC Close Coil Assembly
7465C57G03	250 VDC Close Coil Assembly
7465C57G04	120 VAC Close Coil Assembly
7465C57G05	240 VAC Close Coil Assembly
7465C58G01	48 VDC Trip Coil Assembly
7465C58G02	125 VDC Trip Coil Assembly
7465C58G03	Capacitor Trip or 250 VDC Trip Coil Assembly
130038G02	115 VAC / 125 VDC Spring Charging Motor
130038G03	240 VAC / 250 VDC Spring Charging Motor
130038G01	48 VDC Spring Charging Motor
316D804G39	Latch Check Switch
316D804G44	Motor Cutoff Switch
4386B40G01	Capacitor Trip Device
316D804G80	Bushing Assy; 38 kV, 1200 A,150 kV BIL, 25 kA Int. Current
1C09824G03	Bushing Assy; 38 kV, 1200 A,200 kV BIL, 40 kA Int. Current

Padmount switches

ReliaPad™ padmounted circuit breaker

Order Style #	Description
620155-T9	CT/CVD card with SEF (matching card needed in high voltage cabinet) only used with internal voltage sensing reclosers
620112-T348	UPS card type 3: standard input (90 VAC-265 VAC) / DC (250) for 48 V battery (w/ regulated 12/24 V AUX DC output)
616004-T3	DIO type 1 I/O card, 48 VDC, 6-in/4-out, for PCD
616017-T2	DIO type 2 recloser control card (FET card) for 15/27KV Class
616007-T1	COM type 2A card unbuffered / isolated RS-232/RS-485, radial fiber port
616016-T2	CPU type 2
12A00736H02	Capacitor for low voltage cabinet, 68 VDC, card assist
Contact ABB	OVR, 15 KV, 630 A, 12.5 KA pole assembly/ kit
Contact ABB	OVR, 27 KV, 800 A, 12.5 KA pole assembly/ kit
12A00927H01	Auxiliary microswitch
631A233H03	Thermostat thermodisc 70-80°F
12A00122H01	Thermistor, monitoring battery temperature
12A00903H02	120 VAC heater
12A01347H02	12 V 12 A hr battery (order quantity 4 for 48 V)
12A00980G10	OVR 10 foot, 24 pin cable for connection between control and recloser
Contact ABB	10 foot, 2 pin power cable
12A00198H02	4-hole NEMA pad (dia. 1" 12 threads)
620262-T1	Recloser simulator card
620226-T1	Matching card for voltage sensing (located in recloser cabinet)
61050260	Bushing 15kV, 600A
61050897	Versarupter, 17 kV, 600 A
33050050	Shaft Adapter Assembly
70007400	Operator switch handle kit
61080517	SM-20 fuse upper contact
61080518	SM-20 fuse lower contact
Contact ABB	Fuse
Contact ABB	Control Potential Transformer
Contact ABB	Gridshield, 15 KV, 800 A, 12.5 KA pole assembly/ kit (includes actuator)
Contact ABB	Gridshield, 27 KV, 800 A, 12.5 KA pole assembly/ kit (includes actuator)
12A03323G10	Gridshield, 10 foot, 24 pin cable (voltage sensing) for connection between control and recloser
12A0404G01	Gridshield simulator card kit (includes power supply and wire harness)

Padmount switchgear MDS

Order Style #	Description
33091515	MDS100 Series 2 cross bus clip
33091525	MDS100 Series 2 phase bus, from switch to fuse
33090550	MDS100 A phase cross bus, aluminum
33090551	MDS100 B phase cross bus, aluminum
33090552	MDS100 C phase cross bus, aluminum
61050260	MDS100 Bushing, 15kV, 600A
61050899	MDS100 Versarupter, 17 kV, 600 A
33090500	MDS100 Bus bushing switch, right hand
33090505	MDS100 Bus center bushing switch
33090510	MDS100 Bus bushing switch, left hand
33090352	MDS100 Ground rod, 68"
33050050	MDS Shaft adapter assembly
70007400	MDS Operator switch handle kit
33040225	MDS SM-20 fuse copper terminal pad tie fuse mount, right hand
33040230	MDS SM-20 fuse copper terminal pad tie fuse mount, left hand

Padmount switchgear MDS, MEP, MEC

Order Style #	Description
61050230	Bushing well for 15 kV or 25 kV
Contact ABB	Fuses
60061380	Burndy ground lug
61080517	SM-20 fuse upper contact
61080518	SM-20 fuse lower contact

Notes

Important Notes:

- Conditions of Sales Form 50-490 hereby applies
- Minimum order value is \$200.00 USD
- Prices subject to change without notice
- For all other spare parts, please contact your local ABB representative with breaker serial number, shop order number, and description for pricing.

Shipping Terms:

- Proposed delivery terms will be Free Carrier. Quoted lead times are based on current production levels. Actual lead times are dependent on available production space at time of order entry and/or release to manufacturing.

Additional notes

Contact us

ABB Inc.

655 Century Point

Lake Mary, FL 32746

Phone: +1 407 732 2000

Customer service: +1 800 929 7947 ext. 5

+1 407 732 2000 ext. 2510

E-Mail: customer.service.group@us.abb.com

www.abb.com/mediumvoltage

For more information about our Feeder Automation products, news, downloads, and Feeder Automation Users Group website registration, please contact: customer.service.group@us.abb.com. All sales are subject to ABB Inc. General Terms and Conditions of Sale. While every effort has been made to assure accuracy, the information in this document is subject to change without notice.

© Copyright 2011 ABB Inc. All rights reserved.