

Spare Parts

Table D.1

Bulletin 1503E • 1000-1500 Volt, 180/360 Amp, 6-device ③

Qty per controller	Description	Part Number
180 A		
6	Individual SCR, 5STP04D5200 (matching not required) ① ②	80156-815-61-R
360 A		
6	Individual SCR, 5STP08G6500 (matching not required) ① ②	80156-894-71-R
Common Components		
3	SCR Gate Driver Board (2 devices)	④ 80165-898-52-R
		⑤ 80165-898-55-R
1	IGDPS Board ⑤	80026-044-02-R
1	Voltage Sensing Module	81000-199-55-R
1	MV SMC Interface Circuit Board	80190-440-01-R
9	Snubber Resistor	80025-588-02-R
3	Snubber Capacitor (4.5 kV peak)	1000 V, 1.0 μ F 80025-812-01-R
		1300-1500V, 0.68 μ F 80025-812-02-R
3	Sharing Resistor, 32.5 k, 225 W, Two 2.5 k Tap	80025-753-01-R
9	Fiber-optic Cable	2.5 m 80025-549-03-R
		5.0 m 80025-549-01-R
1	Test Power Supply	120 V AC (North America) 80187-051-51-R
		Universal 80187-245-51-R

- ① If desired, a complete factory assembled SCR/heatsink assembly with snubber resistor and capacitor can be purchased rather than individual SCRs. See table below for part numbers :

Qty per controller	Description	Part Number
3	180 Amp, 1000 Volt Controller	80157-863-55
3	360 Amp, 1000 Volt Controller	80157-863-56
3	180 Amp, 1300V and 1500V Controller	80157-863-54
3	360 Amp, 1300V and 1500V Controller	80157-863-52

- ② Requires a thin film of electrical joint compound between base and mounting surface. Available with SCR replacement parts or separately as Part Number 80025-783-51.
- ③ Reference only. 1503E – For OEM products, refer to OEM-supplied documentation for specific spare parts list.
1560/1562E are Allen-Bradley manufactured starters. Refer to Service Manual for specific spare parts list.
- ④ Used when options 13XG (Stop Control) or 13XB (Pump Control) are not provided.
- ⑤ Used when options 13XG (Stop Control) or 13XB (Pump Control) are provided.

Table D.2
Bulletin 1503E, 1560E, 1562E • 2300 Volt, 180/360 Amp, 6-device ④

Qty per controller	Description	Part Number
180 A		
6	Individual SCR, DCR820 or 5STP03D6500 (matching not required) ①②	80156-893-71-R
360 A		
6	Individual SCR, DCR1020 or 5STP03D6500 (matching not required) ①②	80156-894-71-R
Common Components		
3	SCR Gate Driver Board (2 devices)	⑤ 80165-898-52-R
		⑥ 80165-898-55-R
1	IGDPS Board ③	80026-044-02-R
1	Voltage Sensing Module	81000-199-55-R
1	MV SMC Interface Circuit Board	80190-440-01-R
9	Snubber Resistor	80025-588-02-R
3	Snubber Capacitor 0.68 μ F, 4510 V peak	80025-812-02-R
3	Sharing Resistor, 32.5 k, 225 W, Two 2.5 k Tap	80025-753-01-R
9	Fiber-optic Cable	2.5 m 80025-549-03-R
		5.0 m 80025-549-01-R
2	Bridge Rectifier ⑦	24808-451-01-R
2	MOV ⑦	120 V 80145-581-02-R
		230 V 80145-581-07
1	Test Power Supply	120 V AC (North America) 80187-051-51-R
		Universal 80187-245-51-R
1	Contactor Relay Control Panel ⑦	110/120 V AC 80154-991-59-R
		220/230 V AC 80187-226-52
3	Power Fuses ③	Consult Engineering Data
2	CPT Primary Fuses ③	Consult Engineering Data
1	LV Fuses	Consult Engineering Data
3	Heater Elements ③	Consult Engineering Data
2	20 Amp Contact Cartridge for Isolation Switch Auxiliary ③	700-CPM
3	1-pole Blade Assembly (400 Amp) ③	80145-566-51-R
	Special Lubricant (for Blade Assembly, 400 Amp)	80158-357-51-R

- ① If desired, a complete factory assembled SCR/heatsink assembly can be purchased rather than individual SCRs.
 See table below for part numbers :

Qty per controller	Description	Part Number
3	180 Amp, 2400 Volt Controller	80187-302-51
3	360 Amp, 2400 Volt Controller	80187-302-52

- ② Requires a thin film of electrical joint compound between base and mounting surface. Available with SCR replacement parts or separately as Part Number 80025-783-51.
- ③ 1562E only.
- ④ Reference only. 1503E – For OEM products, refer to OEM-supplied documentation for specific spare parts list.
 1560/1562E are Allen-Bradley manufactured starters. Refer to Service Manual for specific spare parts list.
- ⑤ Used when options 13XG (Stop Control) or 13XB (Pump Control) are not provided.
- ⑥ Used when options 13XG (Stop Control) or 13XB (Pump Control) are provided.
- ⑦ Not provided if IntelliVAC control is used (refer to Publication 1503-UM051B-EN-P for spare part information on IntelliVAC).

Table D.3

Bulletin 1503E, 1560E, 1562E • 2300 Volt, 600 Amp, 6-Device ②

Qty per controller	Description		Part Number
3	Heatsink Assembly 600A with Thermistor		80187-326-51-R
Note : Due to stringent torquing specifications in this application, it is MANDATORY that the entire heatsink assembly be replaced. Contact the Rockwell Automation factory.			
3	SCR Gate Driver Board (2 devices)	③	80165-898-52-R
		④	80165-898-55-R
1	IGDPS Board ④		80026-044-02-R
1	Voltage Sensing Module		81000-199-55-R
1	MV SMC Interface Circuit Board		80190-440-01-R
6	Snubber Resistor		80025-642-04-R
3	Snubber Capacitor 1.0 μF		80025-812-01-R
3	Sharing Resistor 32.5K, 225 W		80025-753-01-R
9	Fiber-optic Cable	2.5 m	80025-549-03-R
		5.0 m	80025-549-01-R
2	Bridge Rectifier ⑤		24808-451-01-R
2	MOV ⑤	120 V	80145-581-02-R
		230 V	80145-581-07
1	Test Power Supply	120V AC (North America)	80187-051-51-R
		Universal	80187-245-51-R
1	Contactor Relay Control Panel ⑤	110/120 V AC	80154-991-59-R
		220/230 V AC	80187-226-54
3	Power Fuses ①		Consult Engineering Data
2	CPT Primary Fuses ①		Consult Engineering Data
1	LV Fuses		Consult Engineering Data
3	Heater Elements ①		Consult Engineering Data
2	20 Amp Contact Cartridge for Isolation Switch Auxiliary ①		700-CPM
3	Isolating Switch Blade Assembly 1-pole (fixed blade assembly)	600 A	80157-710-51-R
		800 A	Consult the Rockwell Automation factory
3	Isolating Switch Blade Assembly 1-pole (moving blade assembly)	600 A	80157-709-51-R
		800 A	Consult the Rockwell Automation factory
	Special Lubricant (for Blade Assembly)		80158-357-51

① 1562E only.

② Reference only. 1503E – For OEM products, refer to OEM-supplied documentation for specific spare parts list.
1560/1562E are Allen-Bradley manufactured starters. Refer to Service Manual for specific spare parts list.

③ Used when options 13XG (Stop Control) or 13XB (Pump Control) are not provided.

④ Used when options 13XG (Stop Control) or 13XB (Pump Control) are provided.

⑤ Not provided if IntelliVAC control is used (refer to Publication 1503-UM051B-EN-P for spare part information for IntelliVAC).

Table D.4

Bulletin 1503E, 1560E, 1562E • 3300 and 4160 Volt, 180/360 Amp, 12-device ④

Qty per controller	Description		Part Number
180 A			
6	SCR, DCR820 or 5STP03D6500 (matched set of 2) ❶❷		80156-893-72-R
360 A			
6	SCR, DCR1020 or 5STP08G6500 (matched set of 2) ❶❷		80156-894-72-R
Common Components			
3	SCR Gate Driver Board (4 devices)	❸	80165-858-52-R
		❹	80165-858-55-R
2	IGDPS Board ❸		80026-044-02-R
1	Voltage Sensing Module		81000-199-55-R
1	MV SMC Interface Circuit Board		80190-440-01-R
6	Snubber Resistor		80025-588-02-R
6	Snubber Capacitor 0.68 μF, 4510 V peak		80025-812-02-R
6	Sharing Resistor, 32.5 k, 225 W, Two 2.5 k Tap		80025-753-01-R
15	Fiber-optic Cable	2.5 m	80025-549-03-R
		5.0 m	80025-549-01-R
2	Bridge Rectifier ❷		24808-451-01-R
2	MOV ❷	120 V	80145-581-02-R
		230 V	80145-581-07
1	Test Power Supply	120 V (North America)	80187-051-51-R
		Universal	80187-245-51-R
1	Contactor Relay Control Panel ❷	110/120 V AC	80154-991-59-R
		220/230 V AC	80187-226-52
3	Power Fuses ❸		Consult Engineering Data
2	CPT Primary Fuses ❸		Consult Engineering Data
2	LV Fuses		Consult Engineering Data
3	Heater Elements ❸		Consult Engineering Data
2	20 Amp Contact Cartridge for Isolation Switch Auxiliary ❸		700-CPM
3	1-pole Blade Assembly (400 Amp) ❸		80145-566-51-R
	Special Lubricant (for Blade Assembly, 400 Amp)		80158-357-51-R

- ① If desired, a complete factory assembled SCR/heatsink assembly can be purchased rather than individual SCRs.
See table below for part numbers :

Qty per controller	Description	Part Number
3	180 Amp, 3300/4160 Volt Controller	80187-305-51
3	360 Amp, 3300/4160 Volt Controller	80187-305-52

- ② Requires a thin film of electrical joint compound between base and mounting surface. Available with SCR replacement parts or separately as Part Number 80025-783-51.
- ③ 1562E only.
- ④ Reference only. 1503E – For OEM products, refer to OEM-supplied documentation for specific spare parts list.
1560/1562E are Allen-Bradley manufactured starters. Refer to Service Manual for specific spare parts list.
- ⑤ Used when options 13XG (Stop Control) or 13XB (Pump Control) are not provided.
- ⑥ Used when options 13XG (Stop Control) or 13XB (Pump Control) are provided.
- ⑦ Not provided if IntelliVAC control is used (refer to Publication 1503-UM051B-EN-P for spare part information on IntelliVAC).