

Product Overview

Required Reference Manuals

This manual applies to the Bulletin 1912B synchronous starter in a 36-inch wide cabinet and a static exciter rated up to 13 kW. It is intended to provide information for installation and commissioning of the synchronous starter, maintenance for the field switch assembly and troubleshooting procedures. The publications listed below are required for detailed information on those components and procedures that are not covered in this manual. **Do not begin commissioning, installation or maintenance unless the following publications are available and understood:**

- User Manual, Medium Voltage Controller, Bulletin 1512, 400A, Two-high Cabinet, Publication 1500-UM055B-EN-P
- User Manual, Medium Voltage Contactor, Bulletin 1502, 400A, 2400-7200 volts, Publication 1502-UM052B-EN-P

Additional publications, depending on the controller used:

- Instruction Manual, SyncPro™, Bulletin 1901, Publication 1901-UM020B-EN-P
- Other third party products

Spare Parts

Table 6.A – Spare Parts

Part Number	Description
80026-135-01	SCR pack (dual) used for rectification and field switch
80026-141-01	FCR4100 firing card
80026-142-01	Bridge Rectifier Fan (120V, 50/60 Hz)
80026-142-02	Bridge Rectifier Fan (230V, 50/60 Hz)
80174-902-11	Fuse, 100mA for 120V
80174-902-12	Fuse, 50 mA for 230 V
80190-200-01-R	DC Current Transducer (LEM) Power Supply/Current Regulator (120V)
80190-200-02-R	DC Current Transducer (LEM) Power Supply/Current Regulator (230V)
80026-285-51	Single phase rectifier bridge assembly with snubber/field switch board (120V, 60 Hz Control) – up to 67 VDC
80026-285-52	Single phase rectifier bridge assembly with snubber/field switch board (120V, 60 Hz Control) – up to 125 VDC
80026-285-53	Single phase rectifier bridge assembly with snubber/field switch board (120V, 60 Hz Control) – up to 250 VDC
80026-285-54	Single phase rectifier bridge assembly with snubber/field switch board (230V, 60 Hz Control) – up to 67 VDC
80026-285-55	Single phase rectifier bridge assembly with snubber/field switch board (230V, 60 Hz Control) – up to 125 VDC
80026-285-56	Single phase rectifier bridge assembly with snubber/field switch board (230V, 60 Hz Control) – up to 250 VDC
80026-285-57	Single phase rectifier bridge assembly with snubber/field switch board (110V, 50 Hz Control) – up to 67 VDC
80026-285-58	Single phase rectifier bridge assembly with snubber/field switch board (110V, 50 Hz Control) – up to 125 VDC
80026-285-59	Single phase rectifier bridge assembly with snubber/field switch board (110V, 50 Hz Control) – up to 250 VDC
80026-285-60	Single phase rectifier bridge assembly with snubber/field switch board (220V, 50 Hz Control) – up to 67 VDC
80026-285-61	Single phase rectifier bridge assembly with snubber/field switch board (220V, 50 Hz Control) – up to 125 VDC
80026-285-62	Single phase rectifier bridge assembly with snubber/field switch board (220V, 50 Hz Control) – up to 250 VDC

For additional synchronous starter spare parts, refer to the following documents:

- *User Manual, Medium Voltage Controller, Bulletin 1512, 400A, Two-high Cabinet, Publication 1500-UM055B-EN-P*
- *User Manual, Medium Voltage Contactor, Bulletin 1502, 400A, 2400-7200 Volts, Publication 1502-UM050B-EN-P*
- *Instruction Manual, SyncPro™, Bulletin 1901, Publication 1901-UM020B-EN-P*