

80026-044-02

Medium Voltage SMC Flex IGDPS Board

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Allen-Bradley 80026-044-02 is the exact manufacturer-listed medium voltage smc flex igdps board for the documented installed system.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Allen-Bradley article.

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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm Allen-Bradley 80026-044-02 and the installed MV SMC Flex bulletin and option set.
- 2

Isolate medium-voltage and control power and prove the controller safe before access.
- 3

Use ESD controls and protect every board connector during handling.
- 4

Record the original board position, cable labels and adjacent gate-driver board arrangement.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	80026-044-02
Host / carrier	Allen-Bradley SMC Flex
Primary system role	Provides the documented IGDPS board function
Acceptance boundary	Verify diagnostics and controlled starter operation before release.
Source record	Medium Voltage SMC Flex Motor Controller User Manual

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

The board is listed for Bulletin 1503E, 1560E and 1562E controller configurations in the official spare-parts appendix. Replacement work must preserve the installed options, gate-driver board relationships, connectors and controller test sequence.

- 1

Verify the controller common-component list and installed options before replacement.
- 2

Seat all connectors without force and reproduce the documented routing.
- 3

Restore power through the approved MV SMC Flex test sequence.
- 4

Verify diagnostics and controlled starter operation before release.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm Allen-Bradley 80026-044-02, the complete PowerFlex 7000 or MV SMC Flex host identity, installed hardware execution, board or semiconductor position, connectors, wiring, grounding, cooling path, firmware or configuration where applicable, companion components and controlled commissioning results before service.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	80026-044-02
Host match	Allen-Bradley SMC Flex
Connection proof	Seat all connectors without force and reproduce the documented routing.
Configuration proof	Restore power through the approved MV SMC Flex test sequence.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Verify diagnostics and controlled starter operation before release.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

ACCEPTANCE AND RELEASE EVIDENCE

MV SMC Flex starter service

Restores the documented IGDPS board position in the medium-voltage soft-starter controller.

Common-component replacement

Maintains the exact controller spare-part identity during planned repair.

Gate-driver power-path inspection

Supports checks of the installed gate-driver power relationship and associated connectors.

Controlled controller recommissioning

Supports the approved post-replacement diagnostic and functional test sequence.

Maintenance Verification and Closeout

MV SMC Flex starter service

Restores the documented IGDPS board position in the medium-voltage soft-starter controller.

Common-component replacement

Maintains the exact controller spare-part identity during planned repair.

Gate-driver power-path inspection

Supports checks of the installed gate-driver power relationship and associated connectors.

Controlled controller recommissioning

Supports the approved post-replacement diagnostic and functional test sequence.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
Allen-Bradley 1771-OM	Allen-Bradley product	View Allen-Bradley 1771-OM page
Allen-Bradley 1771-OB	Allen-Bradley product	View Allen-Bradley 1771-OB page
Allen-Bradley 1771-NOV	Allen-Bradley product	View Allen-Bradley 1771-NOV page
Allen-Bradley 1769-OW8-B	Allen-Bradley product	View Allen-Bradley 1769-OW8-B page
Allen-Bradley 1769-L35E-A	Allen-Bradley product	View Allen-Bradley 1769-L35E-A page
Allen-Bradley 1768-PB3-A	Allen-Bradley product	View Allen-Bradley 1768-PB3-A page
Allen-Bradley 1756-IB32-B	Allen-Bradley product	View Allen-Bradley 1756-IB32-B page
Allen-Bradley 1756-EN2TSC-A	Allen-Bradley product	View Allen-Bradley 1756-EN2TSC-A page

MANUFACTURER SOURCE RECORD

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