

3BSE004725R1-DSTD196

DSTD 196 Connection Unit

CONTROLLED ENGINEERING COPY

Connect the eight-channel termination group to the documented DSDI 110A or DSDI 110AV1 input board through the specified DSTK 226L3 cable. After replacement, verify channel identity, acquisition mode, pulse extension and 1 ms event ordering with controlled field transitions.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3BSE004725R1-DSTD196
Manufacturer part	3BSE004725R1
Hardware type	3BSE004725R1
System family	ABB S100 I/O



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the full 3BSE004725R1-DSTD196 marking and the assigned eight-channel group before work.
- 2

Place the associated DSDI input set and field circuits in the approved maintenance state.
- 3

Isolate the field supply before disconnecting the 24 V DC termination conductors.
- 4

Record channel-to-terminal identity and the DSTK cable destination before removal.
- 5

Use ESD controls and protect the board connector and terminal hardware during handling.

MATCHED HARDWARE

- DSDI 110A or DSDI 110AV1 digital input board
- DSTK 226L3 connection cable
- 24 V DC field-contact circuits
- S100 I/O cabinet termination hardware

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	3BSE004725R1-DSTD196 / 3BSE004725R1 recorded
Physical interface	DSDI 110A or DSDI 110AV1 digital input board
Companion check	DSTK 226L3 connection cable
Functional proof	Terminates eight 24 V DC digital input circuits for one S100 I/O connection group
Application test	S100 digital-input field termination

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
ABB article number	3BSE004725R1
Type designation	DSTD 196
Product type	Module termination unit
Termination channels	8
Field circuit voltage	24 V DC
Open-input circuit voltage	48 V DC
Input-set organization	4 x 8 channels
Companion input board	DSDI 110A / DSDI 110AV1
Connection cable	DSTK 226L3
Input acquisition	Scanning or interrupt
Pulse processing	Pulse extension
Time-tag resolution	1 ms
I/O family	S100 I/O
Functional class	Connection unit

FIELD NOTE

Connect the eight-channel termination group to the documented DSDI 110A or DSDI 110AV1 input board through the specified DSTK 226L3 cable. After replacement, verify channel identity, acquisition mode, pulse extension and 1 ms event ordering with controlled field transitions.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3BSE004725R1-DSTD196 / 3BSE004725R1 recorded
Physical interface	DSDI 110A or DSDI 110AV1 digital input board
Companion check	DSTK 226L3 connection cable
Functional proof	Terminates eight 24 V DC digital input circuits for one S100 I/O connection group
Application test	S100 digital-input field termination

04 RETURN-TO-SERVICE RECORD

- ☐ Keep the documented 24 V DC connection-unit execution separate from other DSTD voltage variants.
- ☐ Verify scan or interrupt acquisition, pulse extension and time-tag order after installation.
- ☐ Prove all eight field states under controlled conditions before returning the input set to service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
DSDI110A 57160001-AAA	S100 digital input board	Open product page
DSDI131 57160001-GV	S100 digital input board	Open product page
DSDI130 57160001-AA	S100 digital input board	Open product page
DSDI120AV1 3BSE018296R1	S100 digital input module	Open product page

SOURCE IDENTIFIERS

ABB Advant Controller 450 Product Guide
3BSE 015 953R201 Rev B

APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com

