

# 3BSE003879R1 BB174

## System Integration and Verification Reference

The 3BSE003879R1 BB174 is an ABB BB174 backplane. It provides the mechanical and electrical backplane connection for the documented DSRF 185/185M assemblies.

|                     |                                 |
|---------------------|---------------------------------|
| Manufacturer        | ABB / Elsas Bailey              |
| Complete model      | 3BSE003879R1 BB174              |
| Product description | BB174 backplane                 |
| Prepared by         | Apter Power                     |
| Document ID         | AP-ABB-3BSE003879R1 BB174-SI-R1 |
| Revision / issue    | R1 / 2026-08-26                 |

### APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

**Three interface paths, one controlled configuration.**

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3BSE003879R1 BB174

# 1. System role

Provides the mechanical and electrical backplane connection for the documented DSRF 185/185M assemblies.

## What the product handles

Signal types and electrical ratings are defined by the cited manufacturer document and the installed-system configuration. Values not stated for this exact complete identifier are intentionally omitted.

## Required companion components

Use only the controller, rack, terminal unit, cable, sensor, actuator or power components explicitly documented for the installed ABB system and revision.

## Where it is used

Industrial automation, process control, machinery, utilities or robotics installations using the named ABB product family; exact use depends on the approved system design.

## Pre-installation record

| Parameter     | Verified value                                                                        |
|---------------|---------------------------------------------------------------------------------------|
| Identity      | Record complete model 3BSE003879R1 BB174 and every revision/suffix from the nameplate |
| Evidence      | Retain the cited manufacturer PDF and site-approved drawings                          |
| Configuration | Back up the approved controller, network or module configuration                      |
| Connections   | Label cables, terminals, module positions and field wiring                            |
| Commissioning | Define a point-by-point or communication verification plan                            |

## 2. Installation and commissioning controls

### Recommended verification sequence

| Parameter     | Verified value                                                             |
|---------------|----------------------------------------------------------------------------|
| 1 - Identify  | Match the full nameplate and physical construction                         |
| 2 - Isolate   | Follow site lockout, electrical-safety and ESD procedures                  |
| 3 - Compare   | Confirm companion hardware, cables, termination and revision compatibility |
| 4 - Install   | Use manufacturer mounting, grounding and environmental requirements        |
| 5 - Configure | Restore only the approved configuration and documented settings            |
| 6 - Test      | Verify communications, diagnostics and every affected process function     |
| 7 - Release   | Record results and obtain the required site authorization                  |

### Model-specific precautions

- Match the complete model, order code, revision and physical construction before installation or replacement.
- Use only the electrical ratings, wiring and environmental limits stated in the applicable ABB document.
- Record the existing configuration and test every affected signal, communication path and safety function before release.

### Manufacturer source PDFs

| Manufacturer document                                | Direct PDF                               |
|------------------------------------------------------|------------------------------------------|
| ABB manufacturer document / product-family reference | <a href="#">Open PDF in a new window</a> |

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