

# 5MP050.0653-03

## Mobile Panel MP50 handheld operator terminal

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

B&R 5MP050.0653-03 is a Mobile Panel MP50 handheld operator terminal. It performs the documented Control Panels system role in the approved industrial installation.

| 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 B&R article.

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# Installation Readiness Gate

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

- 1

Confirm the complete B&R 5MP050.0653-03 marking and installed Control Panels position before work.
- 2

Place the machine or process in the approved maintenance state and isolate every applicable energy source.
- 3

Record power, signal, network, terminal and protective-ground connections before removal.
- 4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.

## Pre-Work Evidence

| EVIDENCE ITEM            | RECORDED VALUE                                                                                    |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Complete article marking | 5MP050.0653-03                                                                                    |
| Host / carrier           | Control Panels                                                                                    |
| Primary system role      | Provides the documented mobile panel mp50 handheld operator terminal function                     |
| Acceptance boundary      | Complete a controlled functional test and retain the acceptance result before production release. |
| Source record            | B&R 5MP050.0653-03 product data                                                                   |

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

Verify cable type, stop/enable wiring, HMI project, Ethernet settings and touch/key operation before using the panel for machine motion.

- 1

Verify display (6.5 inch VGA TFT) against the installed project and connected hardware.
- 2

Verify resolution (640 x 480) and restore only the approved configuration.
- 3

Energize in the prescribed sequence and review module, host and network diagnostics.
- 4

Complete a controlled functional test and retain the acceptance result before production 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 B&R 5MP050.0653-03, Control Panels host, hardware revision, terminals and connectors, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

## Interface Acceptance Criteria

| ACCEPTANCE ITEM     | REQUIRED EVIDENCE                                                                    |
|---------------------|--------------------------------------------------------------------------------------|
| Identity            | 5MP050.0653-03                                                                       |
| Host match          | Control Panels                                                                       |
| Connection proof    | Verify resolution (640 x 480) and restore only the approved configuration.           |
| Configuration proof | Energize in the prescribed sequence and review module, host and network diagnostics. |

# 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

Complete a controlled functional test and retain the acceptance result before production 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

#### Control Panels system maintenance

Restores the documented mobile panel mp50 handheld operator terminal function in an engineered installation.

#### Control-panel modernization

Preserves the approved B&R hardware identity during a controlled system upgrade.

#### Installed-interface verification

Confirms the documented display and resolution before process release.

#### Controlled recommissioning

Verifies configuration, diagnostics and field response after maintenance or replacement.

# Maintenance Verification and Closeout

## Control Panels system maintenance

Restores the documented mobile panel mp50 handheld operator terminal function in an engineered installation.

## Control-panel modernization

Preserves the approved B&R hardware identity during a controlled system upgrade.

## Installed-interface verification

Confirms the documented display and resolution before process release.

## Controlled recommissioning

Verifies configuration, diagnostics and field response after maintenance or replacement.

## Related Engineering Pages

| MODEL                 | ENGINEERING ROLE                      | APTER POWER PAGE                                    |
|-----------------------|---------------------------------------|-----------------------------------------------------|
| Anybus AB7000-C       | Related industrial automation product | <a href="#">View Anybus AB7000-C page</a>           |
| Anybus AB9001-B       | Related industrial automation product | <a href="#">View Anybus AB9001-B page</a>           |
| Anybus AB7007-C       | Related industrial automation product | <a href="#">View Anybus AB7007-C page</a>           |
| Anybus AB5030-B       | Related industrial automation product | <a href="#">View Anybus AB5030-B page</a>           |
| B&R X20CP3585         | Related industrial automation product | <a href="#">View B&amp;R X20CP3585 page</a>         |
| B&R 3CP340.60-2       | Related industrial automation product | <a href="#">View B&amp;R 3CP340.60-2 page</a>       |
| B&R X67SM2436         | Related industrial automation product | <a href="#">View B&amp;R X67SM2436 page</a>         |
| B&R 80SD100XD.C0XX-21 | Related industrial automation product | <a href="#">View B&amp;R 80SD100XD.C0XX-21 page</a> |

## MANUFACTURER SOURCE RECORD

B&R 5MP050.0653-03 product data  
B&R product record 5MP050.0653-03

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