

INDUSTRIAL AUTOMATION PRODUCT

5MP050.0653-03

Mobile Panel MP50 handheld operator terminal

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.

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	Control Panels
Part number	5MP050.0653-03
Product role	Provides the documented mobile panel mp50 handheld operator terminal function
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

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

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Technical Specifications

Technical values below are limited to the named B&R product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Display	6.5 inch VGA TFT	USB	USB 1.1
Resolution	640 x 480	Keys	31
Touch	Resistive	Safety controls	Stop; two enable switches
Processor	Intel PXA270; 416 MHz	Supply	24 V DC +/-25%
DRAM	256 MB	Power consumption	9.6 W
Flash	128 MB	Protection	IP65
Ethernet	10/100 Mbit/s		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Control Panels
Primary system role	Provides the documented mobile panel mp50 handheld operator terminal function
Connection boundary	Verify cable type, stop/enable wiring, HMI project, Ethernet settings and touch/key operation before using the panel for machine motion.
Controlled acceptance duty	Control Panels system maintenance

ENGINEERING BOUNDARY

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.

Pre-Installation Checks

- 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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	5MP050.0653-03
Installed host	Control Panels
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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.

FUNCTION 1
Provides the documented mobile panel mp50 handheld operator terminal function

FUNCTION 2
Uses exact B&R article identity 5MP050.0653-03

FUNCTION 3
Integrates with the matched Control Panels hardware

FUNCTION 4
Supports controlled diagnostics and functional verification

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Control Panels
2	640 x 480
3	Control Panels system maintenance
4	Verify cable type, stop/enable wiring, HMI project, Ethernet settings and touch/key operation before using the panel for machine motion.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Control Panels
Interface role	Provides the documented mobile panel mp50 handheld operator terminal function
Field / power context	The component is used with the exact carrier, terminal, power, signal and network arrangement approved for B&R 5MP050.0653-03. Commissioning preserves the installed configuration and verifies controlled system response.
Commissioning evidence	Complete a controlled functional test and retain the acceptance result before production release.

Installation and Connection Checks

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.

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

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.

TECHNICAL NOTE

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

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	5MP050.0653-03 recorded
Host / carrier	Control Panels
Physical interface	Provides the documented mobile panel mp50 handheld operator terminal function
Configuration	Energize in the prescribed sequence and review module, host and network diagnostics.
Functional proof	Complete a controlled functional test and retain the acceptance result before production release.

IMPORTANT NOTICE

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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	5MP050.0653-03
Approved role	Control Panels system maintenance
Final validation	Complete a controlled functional test and retain the acceptance result before production release.

Engineering Precautions

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.
5	Verify display (6.5 inch VGA TFT) against the installed project and connected hardware.	6	Verify resolution (640 x 480) and restore only the approved configuration.
7	Energize in the prescribed sequence and review module, host and network diagnostics.	8	Complete a controlled functional test and retain the acceptance result before production release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
B&R 5AP1130.185C-000	Related industrial automation product	View B&R 5AP1130.185C-000 page
Bihl+Wiedemann BWU3274	Related industrial automation product	View Bihl+Wiedemann BWU3274 page
Bihl+Wiedemann BWU1777	Related industrial automation product	View Bihl+Wiedemann BWU1777 page
Anybus AB7000-C	Related industrial automation product	View Anybus AB7000-C page
Anybus AB9001-B	Related industrial automation product	View Anybus AB9001-B page
Anybus AB7007-C	Related industrial automation product	View Anybus AB7007-C page
Anybus AB5030-B	Related industrial automation product	View Anybus AB5030-B page
B&R X20CP3585	Related industrial automation product	View B&R X20CP3585 page

MANUFACTURER SOURCE RECORD

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