5MP050.0653-03

Mobile Panel MP50 handheld operator terminal

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	5MP050.0653-03
Manufacturer part	5MP050.0653-03
Hardware type	6.5 inch VGA TFT
System family	B&R Mobile Panel

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

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01 PRE-INSTALLATION PLAN

1. Verify the full 5MP050.0653-03 marking and its assigned B&R Mobile Panel position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and graphical/touch operator input, keys, stop and enable-control signals field energy before disconnecting conductors.
4. Record connector, conductor, address and software identities before removal.
5. Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- approved Mobile Panel connection cable
- 24 V DC panel supply
- machine Ethernet network
- Automation Runtime HMI project

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	5MP050.0653-03 / 5MP050.0653-03 recorded
Physical interface	approved Mobile Panel connection cable
Companion check	24 V DC panel supply
Functional proof	Uses a 6.5-inch VGA touch display
Application test	Portable machine setup

02 WIRING & INTERFACE CHECKS

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

FIELD NOTE

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

03 COMMISSIONING WORKFLOW

1. Confirm 5MP050.0653-03 and part number 5MP050.0653-03 against the installed record.
2. Verify the physical connection to approved Mobile Panel connection cable.
3. Apply the documented technical values for display.
4. Exercise the function: uses a 6.5-inch vga touch display.
5. Run a controlled test for portable machine setup.
6. Record the final state, diagnostics and operator acceptance before release.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	5MP050.0653-03 / 5MP050.0653-03 recorded
Physical interface	approved Mobile Panel connection cable
Companion check	24 V DC panel supply
Functional proof	Uses a 6.5-inch VGA touch display
Application test	Portable machine setup

04 RETURN-TO-SERVICE RECORD

- [ ] Confirm the installed approved Mobile Panel connection cable and 24 V DC panel supply against the approved project.
- [ ] Restore power in a controlled sequence and review device, network and host diagnostics.
- [ ] Prove the intended portable machine setup function and retain the final test result.
- [ ] Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	5MP050.0653-03
INSTALLED POSITION	Documented B&R Mobile Panel position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
MICROLOGIC-6-0-A	Related industrial automation product	View MICROLOGIC-6-0-A page
GT2-H32	Related industrial automation product	View GT2-H32 page
6EP1333-4BA00	Related industrial automation product	View 6EP1333-4BA00 page
05701-A-0302	Related industrial automation product	View 05701-A-0302 page
TSXP574634M	Related industrial automation product	View TSXP574634M page
8C-PAOHA1	Related industrial automation product	View 8C-PAOHA1 page
162381-138-040-90-05	Related industrial automation product	View 162381-138-040-90-05 page
162381-064-028-50-05	Related industrial automation product	View 162381-064-028-50-05 page

SOURCE IDENTIFIERS

B&R official product data sheet

B&R product data

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