5MP050.0653-03

Mobile Panel MP50 handheld operator terminal

Graphical/touch operator input, keys, stop and enable-control signals

PRODUCT SNAPSHOT

BRAND	**FAMILY**
B&R	B&R Mobile Panel
PART	**ORIGIN / HS**
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PRODUCT OVERVIEW

Graphical/touch operator input, keys, stop and enable-control signals

1. Uses a 6.5-inch VGA touch display
2. Provides thirty-one hardware keys
3. Integrates stop and dual enable devices
4. Communicates through 10/100 Ethernet

SYSTEM COMPONENTS

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

TECHNICAL NOTE

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

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
USB	USB 1.1
Keys	31
Safety controls	Stop; two enable switches
Supply	24 V DC +/-25%
Power consumption	9.6 W
Protection	IP65

ENGINEERING NOTE

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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
200151-XX-XX-XX-MOD-323357-15-	Related industrial automation product	View 200151-XX-XX-XX-MOD-323357-15- page
162381-078-027-50-05	Related industrial automation product	View 162381-078-027-50-05 page
330103-00-12-10-12-05	Related industrial automation product	View 330103-00-12-10-12-05 page
9200-06-01-11-04	Related industrial automation product	View 9200-06-01-11-04 page
330851-04-000-030-10-01-05	Related industrial automation product	View 330851-04-000-030-10-01-05 page
84510-30	Related industrial automation product	View 84510-30 page
330104-10-15-10-01-05	Related industrial automation product	View 330104-10-15-10-01-05 page
330104-08-13-10-01-05	Related industrial automation product	View 330104-08-13-10-01-05 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Portable machine setup

Uses a 6.5-inch VGA touch display

Teach and jog station

Provides thirty-one hardware keys

Maintenance HMI

Integrates stop and dual enable devices

Mobile-panel replacement

Communicates through 10/100 Ethernet

PRODUCT PRECAUTIONS

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.
6. Confirm the installed approved Mobile Panel connection cable and 24 V DC panel supply against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended portable machine setup function and retain the final test result.

ENGINEER FAQ

Q1 Does 5MP050.0653-03 match approved Mobile Panel connection cable in a Portable machine setup installation?

Verify the complete 5MP050.0653-03 marking, the documented B&R Mobile Panel position and the installed approved Mobile Panel connection cable before fitting the assembly.

Q2 How should 5MP050.0653-03 be wired when it must uses a 6.5-inch vga touch display?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 5MP050.0653-03; then continuity-test the affected path.

Q3 Which B&R Mobile Panel records should be captured before removing 5MP050.0653-03?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 5MP050.0653-03 before disconnection.

Q4 What controlled test confirms that 5MP050.0653-03 can provides thirty-one hardware keys?

Apply the approved field or simulated stimulus, observe the B&R Mobile Panel indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which 24 V DC panel supply condition should be checked when 5MP050.0653-03 reports an abnormal state?

Check the 24 V DC panel supply supply, seating and connection first, then compare channel diagnostics with the recorded 5MP050.0653-03 baseline.

Q6 Can 5MP050.0653-03 be moved directly into Teach and jog station without validating Automation Runtime HMI project?

No. Confirm the Automation Runtime HMI project, revision, connection scheme and B&R Mobile Panel configuration before transferring 5MP050.0653-03 to that duty.

Q7 What maintenance evidence is required after 5MP050.0653-03 is used for Maintenance HMI?

Retain the nameplate record, corrective action, final diagnostics and a controlled maintenance hmi functional-test result for 5MP050.0653-03.

Q8 How should 5MP050.0653-03 be returned to service in Mobile-panel replacement?

Restore power under control, verify integrates stop and dual enable devices, exercise the intended signal path and release 5MP050.0653-03 only after the B&R Mobile Panel remains in its approved operating state.

SOURCE B&R official product data sheet | B&R product data

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