APTER■POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

5MP050.0653-03

Mobile Panel MP50 handheld operator terminal

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

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	B&R Mobile Panel
Part number	5MP050.0653-03
Country	Austria
HS code	8537101190

APTER POWER SALES TEAM

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2 Technical Specifications

Technical values below are limited to the named B&R product record.

PARAMETER	TECHNICAL 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

3 System Role and Architecture

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

FUNCTION 1

Uses a 6.5-inch VGA touch display

FUNCTION 2

Provides thirty-one hardware keys

FUNCTION 3

Integrates stop and dual enable devices

FUNCTION 4

Communicates through 10/100 Ethernet

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	approved Mobile Panel connection cable
Companion hardware	24 V DC panel supply
Field connection	machine Ethernet network
Primary system function	Uses a 6.5-inch VGA touch display
Controlled acceptance duty	Portable machine setup

4 Applications and Engineering Context

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

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 / 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

5 Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
9662-810	Related industrial automation product	**View 9662-810 page**
4000103-510	Related industrial automation product	**View 4000103-510 page**
3700A	Related industrial automation product	**View 3700A page**
3000510-180	Related industrial automation product	**View 3000510-180 page**
9771-210	Related industrial automation product	**View 9771-210 page**
9563-810	Related industrial automation product	**View 9563-810 page**
3805E	Related industrial automation product	**View 3805E page**
9753-110	Related industrial automation product	**View 9753-110 page**

MANUFACTURER SOURCE RECORD

B&R official product data sheet

B&R product data

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