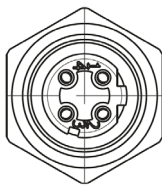


# MCP50 and MCP70

## Leica iCON Machine Control Panel 5" & 7" Data Sheet

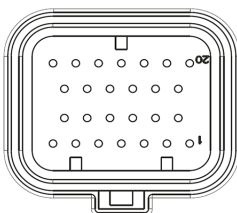


With a glass front and multi-touch technology, these Power Panels are compact HMI devices that are easy to configure and ideal for high-quality machine design. The high sensitivity and accuracy of the projected capacitive touch screen improves usability.



Ethernet M12

Pin	Name	Assignment
1	Tx+	Transmit data +
2	Rx+	Receive data+
3	Tx-	Transmit data-
4	Rx-	Receive data -



26-pin male Superseal connector

Pin	Description
5	GND
6	VCC
7	VCC
8	Left Auto
9	Right Auto
10	Left +
11	Right +
14	Left -
15	Right -

\*Pin 1-4, 12-13 and 16-26 not used

### Environmental Data

Water/Dust rating	IP66
Operation temperature	-20 to +70 °C (MCP50) -20 to +70 °C (MCP70)
Storage temperature	-20 to +80 °C

### Mechanical Data

Weight	725g (MCP50) 1050g (MCP70)
Dimensions	W 174mm, H 128mm, D 49mm (MCP50) W 214mm, H 157mm, D 57mm (MCP70)
Material	Black Alloy, Glass and Rubber
Mounting Mount	RAM installation set 1 inch B-ball

### Technical Data

Processor	Type ARM Cortex-A9
Dual Core	Clock frequency 800 MHz Flash 512 MB DRAM 1GB
Display	Type TFT color Colors 16.7 million (RGB, 8 bits per channel) Resolution WVGA, 800 x 480 pixels Contrast Typ. 600:1

### Compliance

CE	2014/30/EU EMC
FCC	Part 15, Class B

### Standards

EMC	EN ISO 13766-1
Mechanical	EN ISO 12100

### Electrical

Voltage range	9-32 VDC
Power consumption	Max. 8 W (MCP50) Max. 10.5 W (MCP70)
Communication Interface	Type Ethernet M12, D-coded Transfer rate 10/100
Power Interface	Superseal connection 26 pin Digital input (x6)