

**Data sheet**

Touch Panel TP 604LC (62E-MHC0-DH)

## Technical data

<b>Order no.</b>	<b>62E-MHC0-DH</b>
Type	Touch Panel TP 604LC
<b>General information</b>	
Note	-
Features	Display: 4,3" Processor: Cortex-A8   1000 MHz RAM [MB]: 256 User memory [MB]: 128 External slot: SD Card Onboard Interface: 1x RS232   1x RS232/422/485   1x USB-A   1x RJ45 (Ethernet) Optional Interface: MPI/DP interface (961-0MP0) Software: CE6.0 Core   Movicon CE Basic
<b>Display</b>	
Display size (diagonal)	4.3 "
Display size (width)	95 mm
Display size (height)	54 mm
Resolution	272 x 480 / 480 x 272
Aspect ratio	16:9
Type of display	TFT color (64K colors)
MTBF Backlights (25°C)	30000 h
<b>System properties</b>	
Processor	Cortex-A8 1000 MHz
Operating system	Windows CE 6.0 Core
User software	Movicon 11 CE Basic
Work memory	256 MB
User memory	128 MB
Available memory (user data)	50 MB
SD/MMC Slot	yes
CF Card Slot Typ II	-
CFast Slot	-
<b>Time</b>	
Real-time clock buffered	yes
Clock buffered period (min.)	26 w
Type of buffering	Manganese Rechargeable Lithium Battery
Load time for 50% buffering period	5 h
Load time for 100% buffering period	24 h
Accuracy (max. deviation per day)	2 s
<b>Operating controls</b>	
Touchscreen	resistive
Touch function	Single Touch
Keyboard	external via USB
Mouse	external via USB
<b>Interfaces</b>	

MPI, PROFIBUS-DP	optional
MPI, PROFIBUS-DP connector	-
Serial, COM1	RS232
COM1 connector	Sub-D, 9-pin, male
Serial, COM2	RS232 / RS422 / RS485
COM2 connector	Sub-D, 25-pin, female
Number of USB-A interfaces	1
USB-A connector	USB-A (host)
Number of USB-B interfaces	-
USB-B connector	-
Number of ethernet interfaces	1
Ethernet	Ethernet 10/100 MBit
Ethernet connector	RJ45
Integrated ethernet switch	-
Video connectors	-
Audio connections	-

### Technical data power supply

Power supply (rated value)	DC 24 V
Power supply (permitted range)	DC 20.4...28.8 V
Reverse polarity protection	yes
Current consumption (no-load operation)	0.16 A
Current consumption (rated value)	0.3 A
Inrush current	75 A
$I^2t$	0.36 A <sup>2</sup> s
Power loss	6 W

### Status information, alarms, diagnostics

Supply voltage display	none
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### Mechanical data

#### Housing / Protection class

Material	PC
Mounting	mounting clips
Protection class IP front side	IP 65
Protection class IP back side	IP 20
Protection class NEMA front side	-
Protection class NEMA back side	-

#### Dimensions

Front panel	140 mm x 116 mm x 6 mm
Rear panel	122 mm x 98 mm x 51 mm

#### Installation cut-out

Width	123 mm
Height	99 mm
Minimum	2.5 mm
Maximum front panel thickness	6 mm
Net weight	500 g
Weight including accessories	-
Gross weight	-

**Environmental conditions**

Operating temperature	0 °C to 50 °C
Storage temperature	-20 °C to 60 °C

**Certifications**

UL certification	yes
KC certification	-