product data sheet

item no. 83.050.0003.0

HMI panel HMI-ECO-121

"HMI Eco Touchpanel, 12,1"" diagonal, TFT, 1024x768 Pixel, IP66 for frontside, 64 MB RAM, USB Host/Client, Ethernet, Modbus TCP, Programmable with the software hmiPLAN"



item no.	83.050.0003.0
EAN	4049088531729
order unit	1 piece(s)

certificates / approvals

c UL us LISTED

technical data

technical data

operating temperature min.	-10 °C
operating temperature max.	60 °C
storage temperature / transport max.	70 °C
storage temperature / transport min.	-20 °C
relative humidity min.	10 %
relative humidity max.	90 %
degree of protection (IP)	IP66
degree of protection (NEMA)	4X
number of HW-interfaces industrial Ethernet	1
number of HW-interfaces RS232	1
number of HW-interfaces RS422	1
number of HW-interfaces RS485	4
number of HW-interfaces USB	1
supporting MODBUS protocol	yes
standards	EN61000-6-2, EN61000-6-4
approvals	yes
cooling	natural Cooling with min. 50 mm distance to environment
shock	X,Y,Z direction, 1G, 30 minutes shock test
Real Time Clock	yes
Battery Backed RAM	yes
vibration	10...55 Hz (IEC60068-2-64)
UL certification	UL61010
ROHS certification	yes
Ethernet Protocols	ADS for TwinCAT3, Modbus TCP Slave, Modbus TCP Master, Ethernet IP, u.v.a.
compatible PLC families	Siemens, Allen Bradley, Beckhoff, Wago, Schneider, u.v.a.

operating cycles	≥ 1000000
power supply type	SELV (UL 508, UL 248)
font type	Taiwanese (traditional Chinese), Japanese (ANK, Kanji), Kyrilic, Korean, Chinese (simp. Chinese), ASCII (Europ front type)

supply circuit

min. rated supply voltage at DC	21.6 V
max. rated supply voltage at DC	26.4 V
voltage type	DC
rated consumption DC	20 W

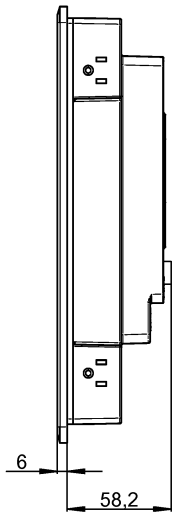
dimensions

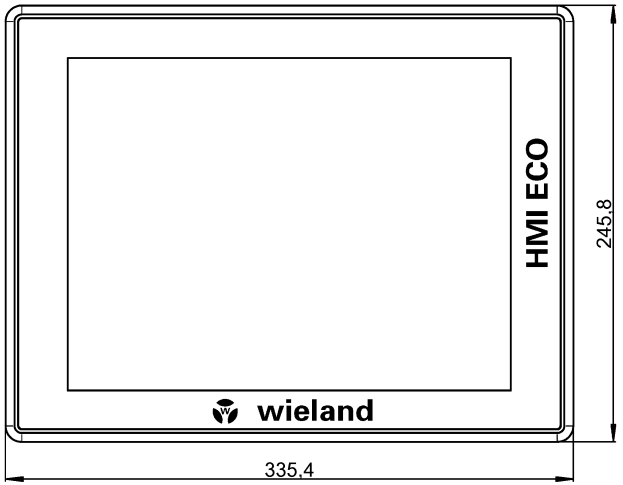
width of the front	335.4 mm
height of the front	245.8 mm
build in depth	58.2 mm
cutout dimension width	302 mm
cutout dimension height	228 mm
weight	2 kg

accessories

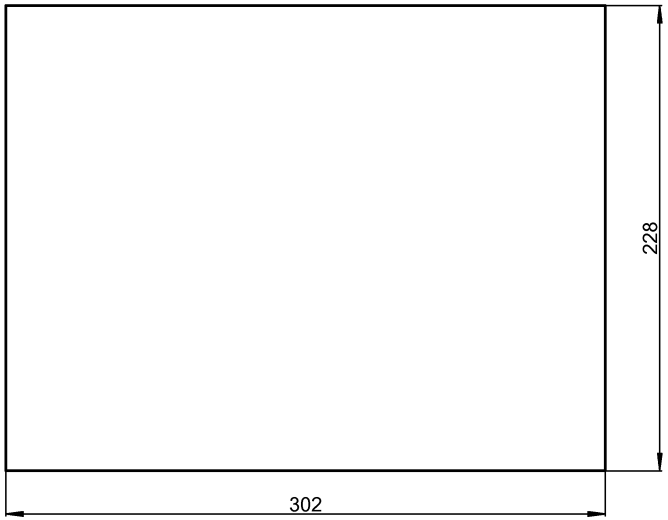
item no.	type	description
78.999.4000.0	patch-cables MOD ZBH RJ45 0,25 m	
78.999.4100.0	patch-cables MOD ZBH RJ45 0,5 m	
78.999.4200.0	patch-cables MOD ZBH RJ45 1,0 m	
78.999.4300.0	patch-cables MOD ZBH RJ45 2,0 m	
78.999.4400.0	patch-cables MOD ZBH RJ45 3,0 m	
78.999.4500.0	patch-cables MOD ZBH RJ45 5,0 m	
78.999.4600.0	patch-cables MOD ZBH RJ45 7,5 m	
78.999.4700.0	patch-cables MOD ZBH RJ45 10 m	

technical drawing

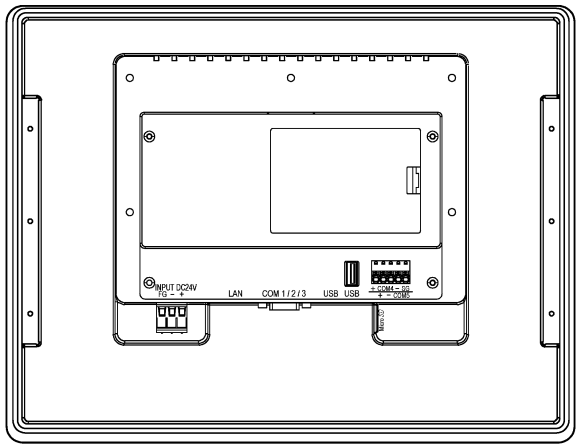




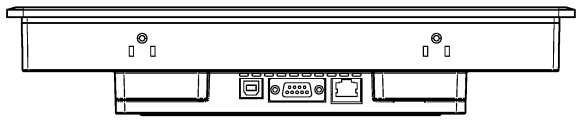
Cutout Dimension



Ansicht hinten / back view



Ansicht unten / view below



01-QU-RD-31/21

Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.

www.wieland-electric.com
eshop.wieland-electric.com

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Vertraulichkeitsklasse: Vertraulich
Confidentiality Class: Confidential

ja / yes ☒ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach
General tolerance

CAD - Zeichnung, keine manuellen Änderungen
CAD - Drawing, no manual modifications allowed

1. Verwendung:
First Use:

Blatt:
Sheet:

Werkstoff / Material

Maßstab / Scale

	Tag/Date	Name
2019		
gezeichnet / drawn	25.03.	Koetzner

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: - 83.050.0003.0 01K
Index: b

Maße in mm / Dimensions are in mm

Datei/ File: 046261_B01K.DCD

Ersatz für / Replacement for: -

Index	Datum / Blatt Date / Sheet
ⓑ	03.12.24
ⓐ	19.08.19
Änderung / Revision	

wieland

Type

Benennung / Title

Teilespezifikation /
Component specification

HMI TOUCH PANEL
HMI-ECO-121

2024–12–04 09:34:52 1.000