

# Product data sheet

Specifications



advanced touchscreen panel,  
Harmony GTU, 12inch wide display,  
1280 x 800pixels WVGA

HMIDT651

## Main

Range of product	Harmony GTU
Product or component type	Advanced touchscreen panel
Terminal type	Touchscreen display
[Us] rated supply voltage	12...24 V DC power supply
Supply voltage limits	10.8...28.8 V
Power consumption in W	11.5 W
Inrush current	30 A

## Complementary

Touchscreen resolution	1024 x 1024
Pixel resolution	1280 x 800
Display size	12.1 inch
Aspect ratio	4:3
Display type	Colour TFT LCD
Display resolution	1280 x 800 pixels WVGA
Display colour	262144 colors
Backlight lifespan	50000 hours
Touch panel	Single touch analogue resistive
Type of cooling	Natural convection
Type of installation	Indoor installation
Cut-out dimensions	295 (+ 1/- 0) x 217 (+ 1/- 0) mm
Width	308.5 mm
Height	230.5 mm
Depth	67 mm
Product weight	3 kg

## Environment

IP degree of protection	Front panel: IP66 Front panel: IP67
NEMA degree of protection	NEMA 4X front panel

<b>Standards</b>	UL 508 ANSI/ISA 12-12-01 Class I division 2 CSA C22.2 No 213 CSA C22.2 No 142 IEC 61132-2
<b>Product certifications</b>	CULus KC CE RCM UKCA UKEX
<b>Ambient air temperature for operation</b>	0...60 °C conforming to IEC 61131-2
<b>Ambient air temperature for storage</b>	-20...60 °C
<b>Relative humidity</b>	10...90 % non-condensing
<b>Operating altitude</b>	2000 m
<b>Vibration resistance</b>	3.5 mm constant amplitude (f = 5...9 Hz) conforming to IEC 61131-2 9.8 m/s <sup>2</sup> (f = 9...150 Hz) conforming to IEC 61131-2
<b>Shock resistance</b>	147 m/s <sup>2</sup> conforming to IEC 61131-2
<b>Electromagnetic compatibility</b>	Electrostatic discharge immunity test level 3 conforming to IEC 61000-4-2

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	19.500 cm
<b>Package 1 Width</b>	33.500 cm
<b>Package 1 Length</b>	44.000 cm
<b>Package 1 Weight</b>	4.415 kg
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	2
<b>Package 2 Height</b>	42.500 cm
<b>Package 2 Width</b>	35.500 cm
<b>Package 2 Length</b>	45.500 cm
<b>Package 2 Weight</b>	9.745 kg
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	20
<b>Package 3 Height</b>	105.000 cm
<b>Package 3 Width</b>	80.000 cm
<b>Package 3 Length</b>	120.000 cm
<b>Package 3 Weight</b>	113.450 kg

## Contractual warranty

<b>Warranty</b>	18 months
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Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

## Environmental footprint

Total lifecycle Carbon footprint	649
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better

### Materials and Substances

F-gas free	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	Bec78d47-e62d-44d7-8e6f-c4f5bb86ee60
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING:</b> This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a>
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No

## Use Again

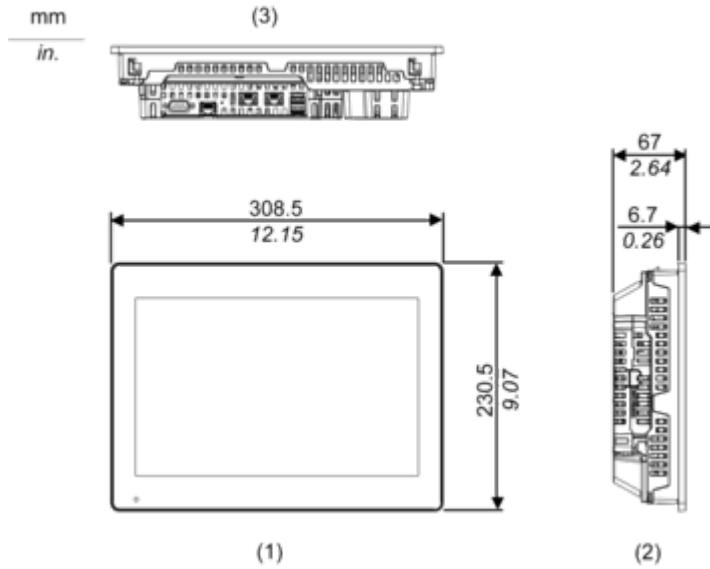
### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Dimensions Drawings

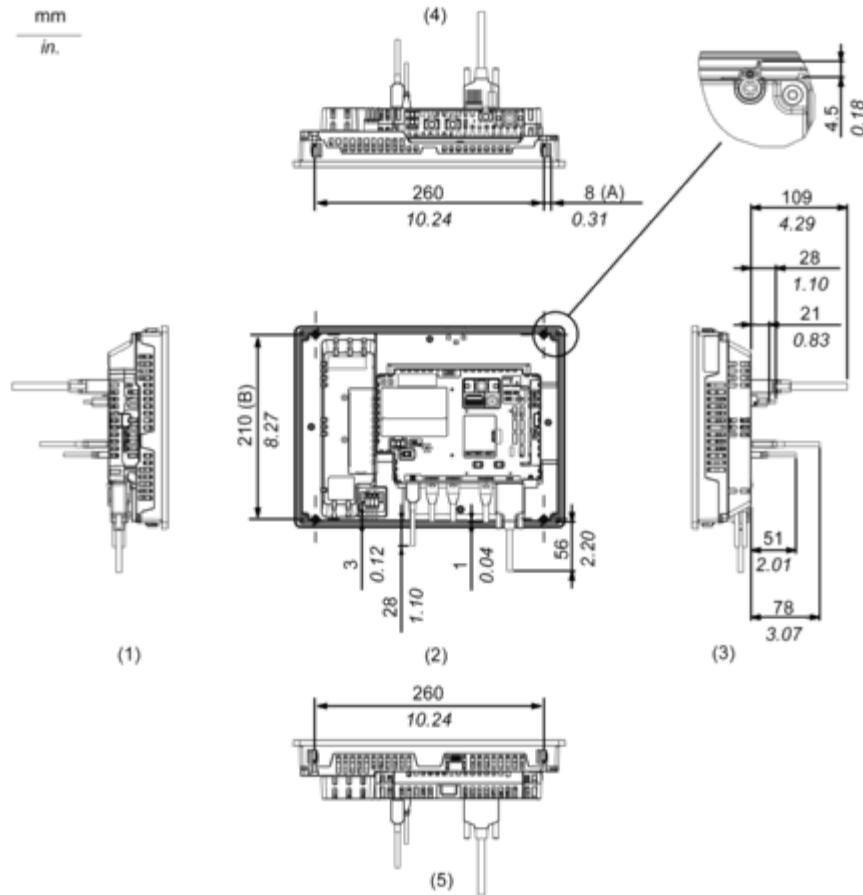
External Dimensions

## Display Unit with Box Module



- 1 Front
- 2 Left
- 3 Bottom

## Installation with Installation Fasteners and Dimensions with Cables



(A) Rotation area of the fastener

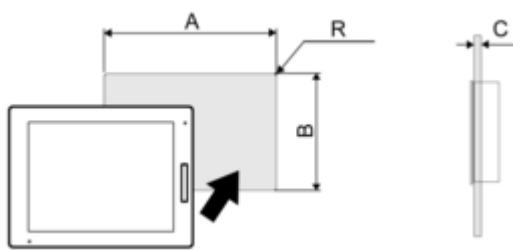
(B) Pitch of the center of installation fastner screws

- 1 Right
- 2 Front
- 3 Left
- 4 Bottom
- 5 Top

## Mounting and Clearance

Mounting

## Panel Cut Dimensions



Dimensions in mm

A	B	C	R
295 (+1/-0)	217 (+1/-0)	1.6...5	3 max.

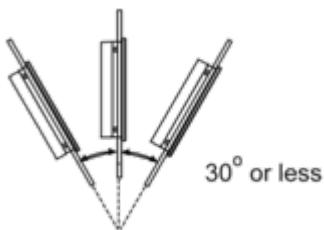
Dimensions in in.

A	B	C	R
11.61 (+0.04/-0)	8.54 (+0.04/-0)	0.06...0.2	0.12 max.

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**Installation Requirements**

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**Mounting Angle**

When installing this product in a slanted position with an incline more than 30°, the ambient temperature must not exceed 40 °C (104 °F). You may need to use forced air cooling (fan, A/C) to ensure the ambient operating temperature is 40 °C or less (104 °F or less).

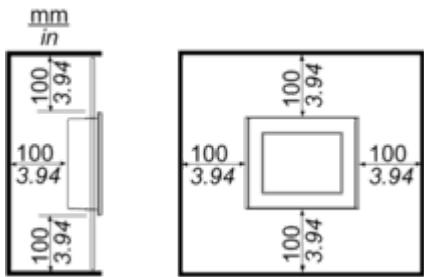
Clearance

Image of product / Alternate images

Alternative

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