

# Product data sheet

Specifications



flat screen, Harmony GTU, 12.1inch wide display

HMI DT642

**Product availability: Stock - Normally stocked in distribution facility**

## Main

Range of Product	Harmony GTU
Terminal type	Touchscreen display
Product or Component Type	Flat screen
[Us] rated supply voltage	12...24 V DC power supply
Supply voltage limits	10.8...28.8 V
Power Consumption in W	21 W
Inrush current	30 A

## Complementary

Integrated connection type	USB 2.0 type A USB 2.0 type mini B
Touchscreen resolution	1024 x 1024
Pixel resolution	1024 x 600
Display size	12.1 inch
Aspect ratio	4:3
Display type	Colour TFT LCD
Display Resolution	1024 x 768 pixels XGA
Display colour	16 million colours
Backlight lifespan	50000 hours
Touch panel	Multi touch analogue resistive
Function Available	Brightness sensor
Type of cooling	Natural convection
Type of Installation	Indoor installation
Cut-out dimensions	301.5 (+ 1/- 0) x 227.5 (+ 1/- 0) mm
Width	12.4 in (315 mm)
Height	9.5 in (241 mm)
Depth	2.6 in (67 mm)
Net Weight	6.6 lb(US) (3 kg)

## Environment

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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<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>	CE UKCA UKEX
<b>Ambient air temperature for operation</b>	32...140 °F (0...60 °C) IEC 61131-2
<b>Ambient air temperature for storage</b>	-4...140 °F (-20...60 °C)
<b>Relative Humidity</b>	10...90 % non-condensing
<b>Operating altitude</b>	6561.68 ft (2000 m)
<b>Vibration resistance</b>	3.5 mm constant amplitude 5...9 Hz IEC 61131-2 9.8 m/s <sup>2</sup> 9...150 Hz) IEC 61131-2
<b>Shock resistance</b>	147 m/s <sup>2</sup> IEC 61131-2
<b>Electromagnetic compatibility</b>	Electrostatic discharge immunity test level 3 conforming to IEC 61000-4-2

## Ordering and shipping details

<b>Category</b>	US10MC222567
<b>Discount Schedule</b>	0MC2
<b>GTIN</b>	3606480687242
<b>Returnability</b>	Yes
<b>Country of origin</b>	IN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	7.874 in (20.000 cm)
<b>Package 1 Width</b>	13.386 in (34.000 cm)
<b>Package 1 Length</b>	17.126 in (43.500 cm)
<b>Package weight(Lbs)</b>	9.464 lb(US) (4.293 kg)
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	2
<b>Package 2 Height</b>	16.732 in (42.500 cm)
<b>Package 2 Width</b>	14.173 in (36.000 cm)
<b>Package 2 Length</b>	17.717 in (45.000 cm)
<b>Package 2 Weight</b>	20.966 lb(US) (9.510 kg)
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	20
<b>Package 3 Height</b>	41.339 in (105.000 cm)
<b>Package 3 Width</b>	31.496 in (80.000 cm)
<b>Package 3 Length</b>	47.244 in (120.000 cm)
<b>Package 3 Weight</b>	238.320 lb(US) (108.100 kg)

## Contractual warranty

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**Warranty (in months)**

18



## Environmental Data

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	1 037 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	171 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.7 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	862 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	3 kg CO2 eq.

### Use Better

#### Materials and Substances

F-gas usage performance	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	F7bde1f0-e6bc-4b91-91d2-88584de513eb
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="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
Halogen content performance	Product contains halogen above thresholds
PVC free	No
Silicon free	No

### Use Longer

#### Lifetime extension

Repair	No
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### Use Again

#### Repack and remanufacture

Recyclability potential, in %	55
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Take-back

No

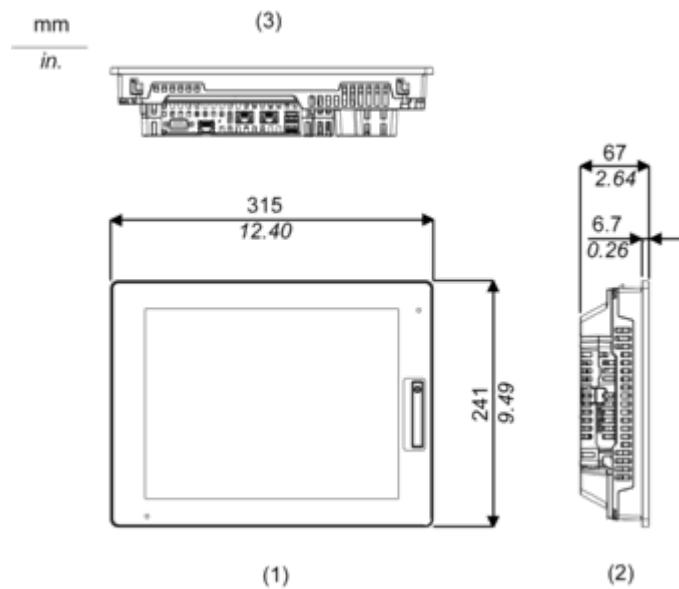
WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Dimensions Drawings

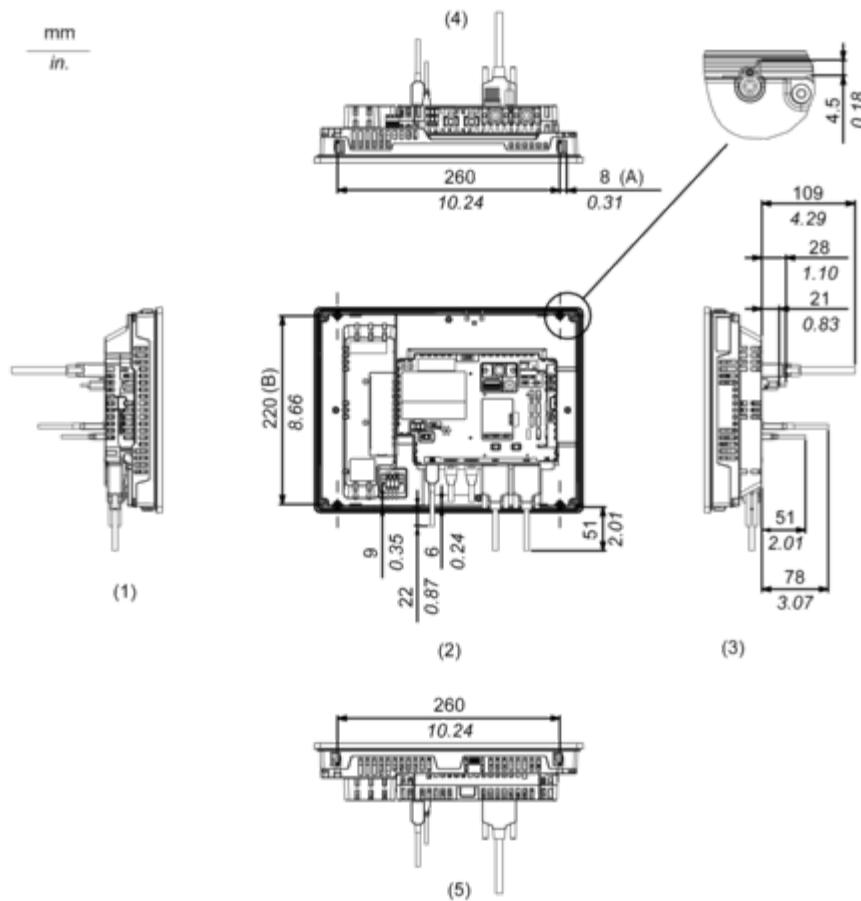
External Dimensions

## 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

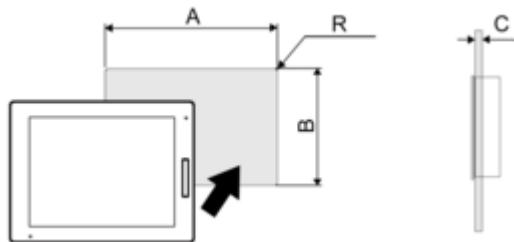
**(B)** Pitch of the center of installation fastner screws

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

## Mounting and Clearance

Mounting

## Panel Cut Dimensions



Dimensions in mm

A	B	C	R
301.5 (+1/-0)	227.5 (+1/-0)	1.6...5	3 max.

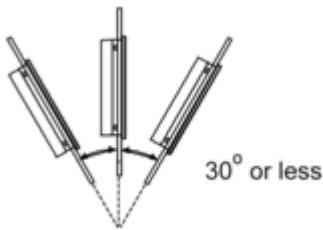
Dimensions in in.

A	B	C	R
11.87 (+0.04/-0)	8.96 (+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).

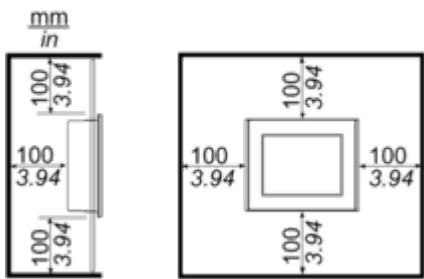
Clearance

Image of product / Alternate images

Alternative

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