HMIGTO6315

advanced touchscreen panel stainless 800 x 600 pixels SVGA- 12.1" TFT - 96 MB

Green Premium™ Product

Main

Range of product	Magelis GTO
Product or component type	Advanced touchscreen panel
Display colour	65536 colours
Display size	12.1 inch
Supply	External source
Operating system	Magelis
Battery type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 d, battery life = 10 yr
Provided equipment	1 protective cover

Complementary

Terminal type	Touchscreen display
Display type	Backlit colour TFT LCD
Display resolution	800 x 600 pixels SVGA
Touch sensitive zone	1024 x 1024
Touch panel	Resistive film, 1000000 cycles
Backlight lifespan	50000 hours (white) at 25 °C
Brightness	16 levels - control by touch panel 16 levels - control by software
Character font	ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji) Korean Taiwanese (traditional Chinese)
[Us] rated supply voltage	24 V DC
Supply voltage limits	19.2...28.8 V
Inrush current	<= 30 A
Power consumption in W	<= 17 W <= 12 W (when power is not supplied to external devices) <= 7 W (when backlight is OFF) <= 8 W (when backlight is dimmed)
Local signalling	Status LED (orange) flashing software starting up Status LED (green) steady offline Status LED (green) steady operating Status LED (red) steady power supply (ON) Status LED (clear) faded power supply (OFF) COM2 LED (yellow) steady data is being transmitted COM2 LED (yellow) faded no data transmission SD card LED (green) steady card is inserted SD card LED (green) faded card is not inserted or is not being accessed
Software designation	Vijeo Designer configuration software >= V6.1
Memory description	96 MB flash (EPROM)
Data backed up	512 kB internal RAM (SRAM)
Data storage equipment	SD card <= 32 GB SDHC card <= 32 GB
Downloadable protocols	Modbus Schneider Electric Modicon Third party protocols Mitsubishi Melsec Third party protocols Omron Sysmac Third party protocols Rockwell Automation Allen-Bradley Third party protocols Siemens Simatic Uni-TE Schneider Electric Modicon Modbus Plus Schneider Electric Modicon FIPWAY Schneider Electric Modicon

Schneider Electric

	Modbus TCP Schneider Electric Modicon
Integrated connection type	COM1 serial link SUB-D 9, interface: RS232C, transmission rate: 2400...115200 bps
	COM2 serial link RJ45, interface: RS485, transmission rate: 2400...115200 bps
	COM2 serial link RJ45, interface: RS485, transmission rate: 187.5 kbps compatible with Siemens MPI
	Ethernet RJ45, interface: 10BASE-T/100BASE-TX
	Ethernet RJ45, interface: IEEE 802.3
	USB 2.0 type A
	USB 2.0 type mini B
Product mounting	Flush mounting
Fixing mode	By 8 nuts
	By 4 L brackets
Front material	Stainless steel 304
Enclosure material	PPT
Type of cooling	Natural convection
Width	359 mm
Height	285 mm
Depth	56 mm
Product weight	3 kg

Environment

standards	EN 61131-2
	IEC 61000-6-2
	UL 508
product certifications	CE
	C-Tick
	CULus
	KCC
ambient air temperature for operation	0...55 °C
ambient air temperature for storage	-20...60 °C
relative humidity	10...90 % without condensation
operating altitude	< 2000 m
IP degree of protection	IP20 rear panel conforming to IEC 60529
	IP66K front panel conforming to IEC 60529
	IP66K front panel conforming to DIN 40050-9
NEMA degree of protection	NEMA 4X front panel (indoor use)
shock resistance	147 m/s² 3 chocks in each direction X, Y and Z conforming to EN/IEC 61131-2
vibration resistance	3.5 mm (f = 5...9 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min)
	1 gn (f = 9...150 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min)
resistance to electrostatic discharge	6 kV contact discharge conforming to IEC 61000-4-2 level 3

Offer Sustainability

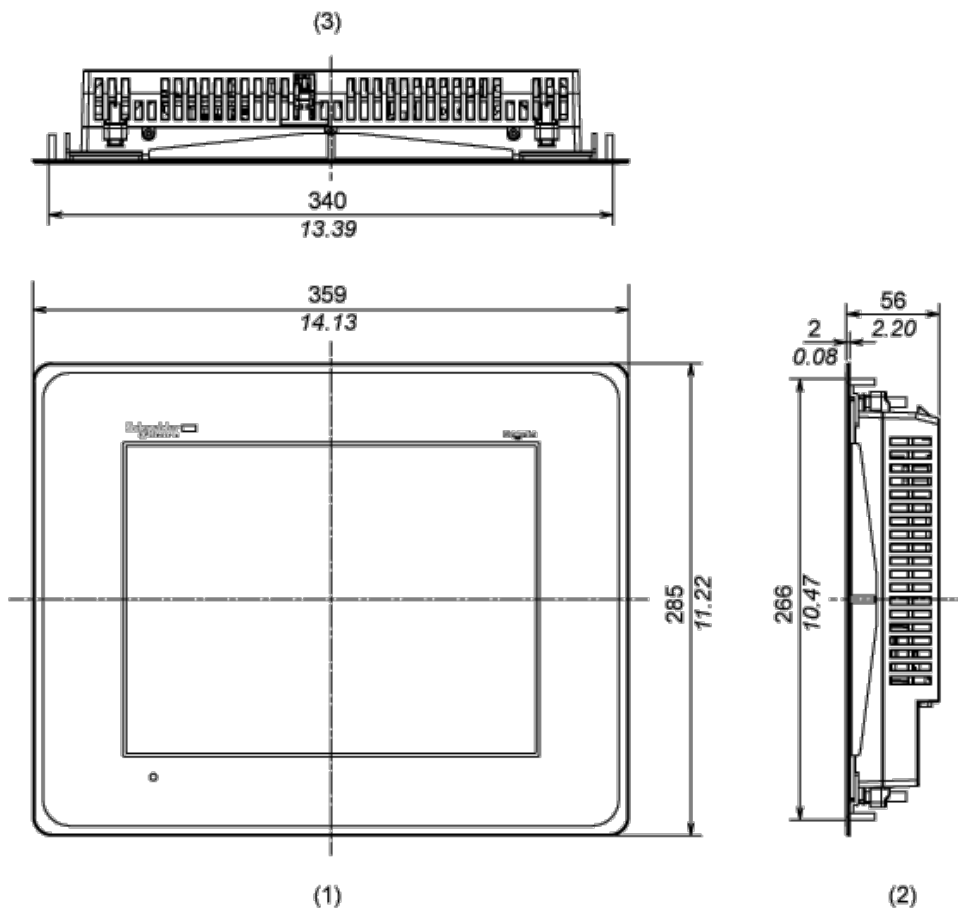|	
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1350 - Schneider Electric declaration of conformity
REACh	Reference contains SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

Dimensions

External Dimensions

mm
in.

(3)

340
13.39

359
14.13

285
11.22

56
2.20

2
0.08

266
10.47

(1)

(2)

1 Front

2 Right Side

3 Top

Installation with Installation Fasteners

$\dfrac{mm}{in.}$

(4)

356
14.02

340
13.39

359
14.13

285
11.22

56
2.20

2
0.08

266
10.47

282
11.10

(1)

(2)

(3)

(5)
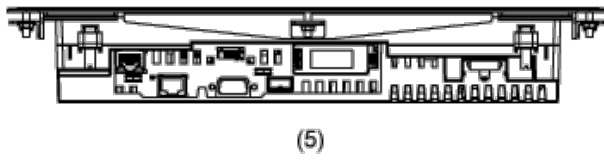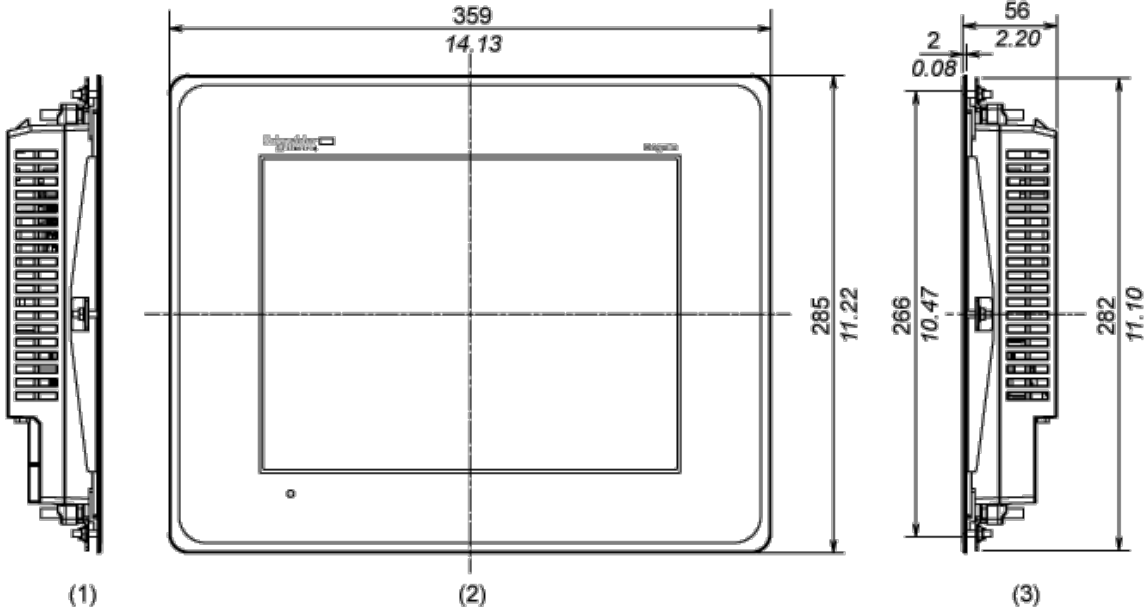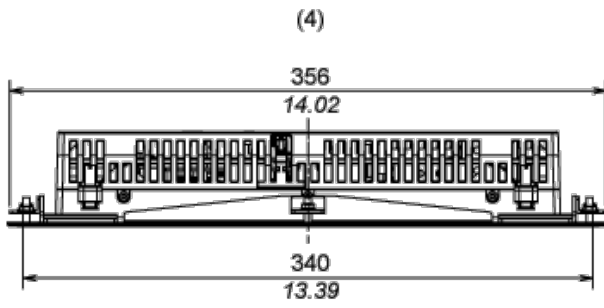
1 Left Side

2 Front

3 Right Side

4 Top

5 Bottom

Dimensions with Cables
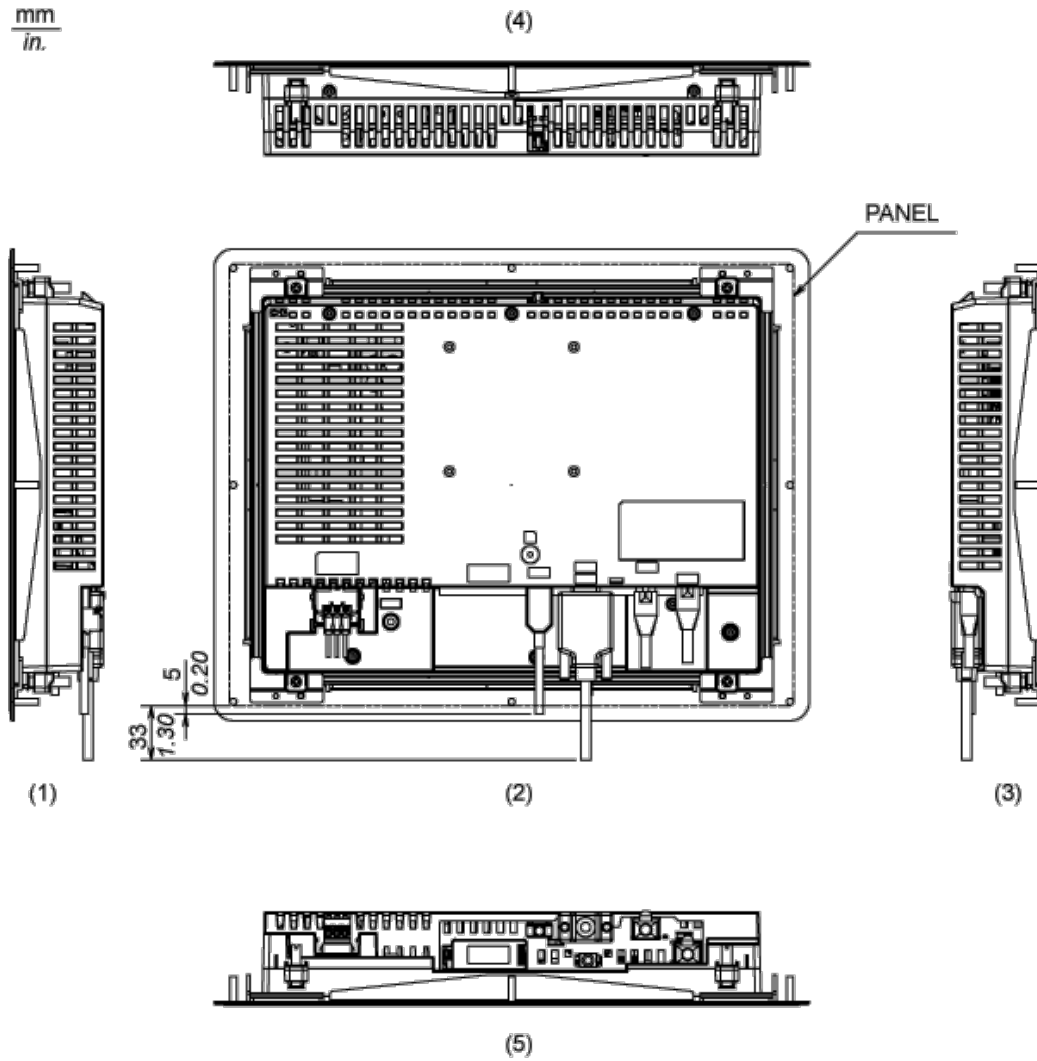
1 Left Side
2 Rear
3 Right Side
4 Top
5 Bottom

Mounting

Panel Cut Dimensions
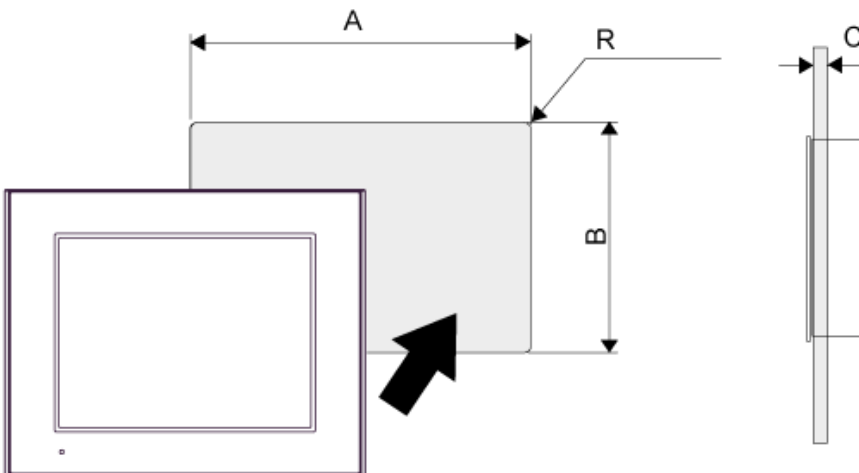
A		B		C		R	
mm	in.	mm	in.	mm	in.	mm	in.
340.5 (+1, -0)	13.41 (+0.04, -0)	266.5 (+1, -	10.49 (+0.04, -0)	1.6...5	0.06...0.2	3 max.	0.12 max.

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Installation Fastener Dimensions
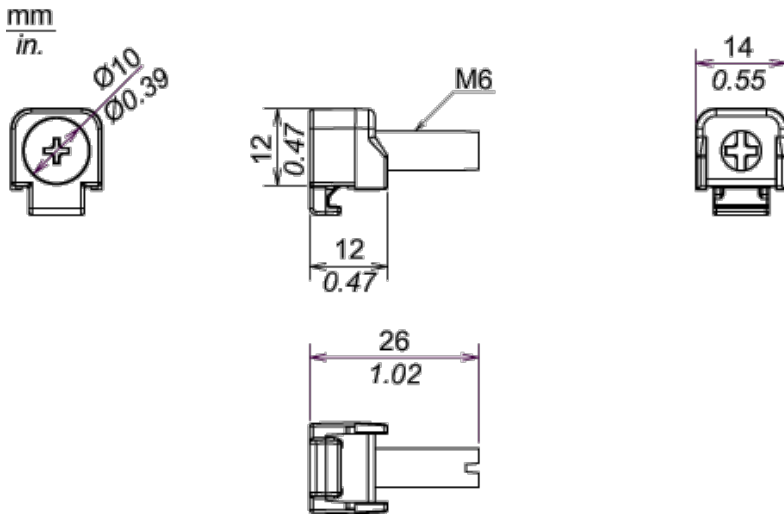
Installation Requirements

Mounting Angle
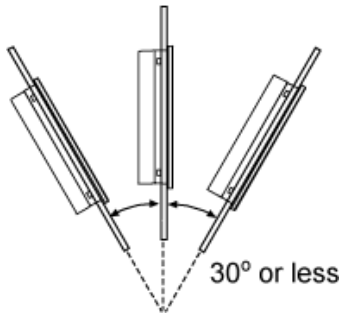
30° or less

When installing the panel 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