



### Main

Range of product	Magelis STO & STU
Product or component type	Touch panel screen
Software designation	Vijejo Designer
Operating system	Magelis
Processor name	CPU RISC

### Complementary

Display size	3.4 inch
Display type	Backlit monochrome STN LCD
Display colour	Green Orange Red
Pixel resolution	200 x 80 pixels
Touch panel	Analogue
Backlight lifespan	10000 hours (red) 50000 hours 50000 hours (orange)
Brightness	8 levels
Contrast	16 levels via touch panel
Character font	ASCII Chinese (simplified Chinese) Japanese (ANK, Kanji) Korean Taiwanese (traditional Chinese)
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	19.2...28.8 V
Inrush current	<= 30 A
Power consumption	5 W
Local signalling	1 LED (green) for normal operation
Number of pages	Limited by internal memory capacity
Processor frequency	333 MHz
Memory description	Application memory, 16 MB Back up of data, 128 kB
Integrated connection type	1 USB (V2.0) port mini B USB 1 USB (V2.0) port USB type A COM1 serial link female RJ45, transmission rate <= 115.2 kbits/s (RS232C/RS485) Power supply removable screw terminal block
Realtime clock	Access to the PLC real-time clock
Downloadable protocols	Modbus Third party protocols Uni-TE
Fixing mode	By 2 spring clips on 1.6...5 mm thick panel
Enclosure material	PPT
Marking	CE

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Height	77.5 mm
Width	116.5 mm
Depth	36.5 mm

## Environment

Immunity to microbreaks	<= 3 ms
Standards	EN 61131-2 FCC Class A IEC 61000-6-2 UL 1604 UL 508
Product certifications	CSA C-Tick CULus UL class 1 Div2 T4A ou T5
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	0...90 % without condensation
Operating altitude	<= 2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	+/- 3.5 mm (f = 5...9 Hz) conforming to IEC 60068-2-6 1 gn (f = 9...150 Hz)
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3