

Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software designation	Vijeo Designer
Operating system	Harmony
Processor name	CPU ARM9

Complementary

Display size	5.7 inch
Display type	QVGA TFT colour touchscreen
Display colour	65536 colours
Display resolution	320 x 240 pixels QVGA
Touch panel	Analogue
Backlight lifespan	50000 hours
Brightness	16 levels
Character font	ASCII Japanese (ANK, Kanji) Chinese (simplified Chinese) Taiwanese (traditional Chinese) Korean
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	20.4...28.8 V
Inrush current	30 A
Power consumption in W	6.8 W
Number of pages	Limited by internal memory capacity
Processor frequency	333 MHz
Memory description	Application memory 16 MB Back up of data 64 kB
Integrated connection type	1 USB 2.0 type mini B 1 USB 2.0 type A COM1 serial link - female RJ45 - RS232C/RS485 (rate: <= 115.2 kbits/s) Power supply - removable screw terminal block 1 Ethernet - RJ45
Realtime clock	Access to the PLC real-time clock
Downloadable protocols	Third party protocols Uni-TE Modbus Modbus TCP/IP
Fixing mode	Ø 22 mm hole
Enclosure material	PC/PBT and PAA
Marking	CE Without Schneider logo
Height	129.15 mm
Width	163 mm
Depth	56.5 mm






Environment

Immunity to microbreaks	7 ms
Standards	IEC 61000-6-2 UL 508 UL 1604 EN 61131-2 FCC Class A
Product certifications	CULus C-Tick UL class 1 Div2 T4A ou T5 Marine
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	0...85 % 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) conforming to IEC 60068-2-6
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3

Packing Units

Package 1 Weight	0.885 kg
Package 1 Height	7.000 cm
Package 1 width	18.500 cm
Package 1 Length	27.000 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Upgradeability	 Upgradeable Through Digital Modules And Upgraded Components