DATASHEET - XV-303-15-CE0-A00-1E



User interface with PLC as SWD coord.,24 VDC,15.6z PCT widesc. display,1366x768 pixels,2xEthernet,1xRS232,1xRS485,1xCAN, 1xSWD,1xSD,VisualDesig



XV-303-15-CE0-A00-1E Part no. 191079

Catalog No.

Alternate Catalog XV-303-15-CE0-A00-1E

No.

Similar to illustration

Delivery program

Delivery program		
Productrange		XV300 15.6"
Productrange		XV-303
Subrange		SmartWire-DT touch display with integrated controller (HMI PLC)
Function		SmartWire-DT coordinator
Description		XV300 multi touch display with PLC function for flush mounting plates
Description		Control panel with PLC as a SmartWire-DT coordinator and 2nd Ethernet port Software (Engineering): visualization = Visual Designer
Common features of the model series		Ethernet interface CAN USB device USB Host RS232 RS485 Slot for SD card Operating System Windows Embedded Compact 7 pro Integrated VisualDesigner Runtime visualization software license
Display - Type		Color display, TFT, anti-glare
Touch-technology		Capacitive multi-touch technology (PCT)
Number of colours		16777216 (Color depth 24 bit)
Resolution	Pixel	WXGA 1366 x 768
Portrait format		yes
Screen diagonal	Inch	15.6 widescreen
Model		Glass panel in aluminum bezel with die-cast aluminum enclosure and plastic enclosure
Operating system		Windows Embedded Compact 7 Pro
PLC-licence		PLC licence inclusive
License certificates for onboard interfaces		Not required
built-in interfaces		2 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet 1 x SmartWire-DT
Front type		Non-reflective tempered glass in aluminum frame
Utilization		Flush mounting
Slots		for SD card: 1
Memory card automation		Optionally with SD card -> article no. 181638
Pluggable communication cards (optional)		no
Touch sensor		Multi-touch touch panel
Heat dissipation	W	21.6
Connection to SmartWire-DT		yes

Technical data Display

Display - Type		Color display, TFT, anti-glare
Screen diagonal	Inch	15.6 widescreen
Resolution		WXGA 1366 x 768

Parameter Para	Visible screen area		mm	344.23 x 193.54
Moneth of 1000015		[] = fe/:: = be/: = /	0	
	viewing range			
Brightness Carlot Control Con	Number of colours			16777216 (Color depth 24 bit)
Back-lighting Back-lighting	Contrast ratio (Normally)			Normally 500:1
Back-lighting Back-lighting	Brightness		cd/m ²	Normally 300
Section Sect			Cu/III	
Projected Capacitive Total (PCT) Projected Capacitive Total (PCT) Multi-fronce (PCT)	back-ilgituing			
Technology	Service life of back-lighting		h	Normally 50000
Truch sensor System System System System ARM Correr-AS 800 MIU Internal mamory Coding Control Social Code External mamory Coding Coding Tables CPU and system cooling, natural convection-based passive cooling Backup of real-time clock Backup of real-t	Operation			
Processor ARM Carters 48 802 MHz Internal memory External memory External memory So Card, Types 5056, 20HC Cooling Farlaces CPU and system cooling, natural convection-based passive cooling Back-up for raw-lime clock Battery (service life) Backup (price at zero voltage) Experimental memory Washabatran software PLC-Programming software PLC-Programming software Wissulabatran software PLC-Programming software Windows Embadded Campact 7 Pro Interfaces, communication USB 40cc USB 20. not galvanically isolated USB 20. not galvanically isolated USB 60cc Experimental Missulabatran (USB 20. not galvanically isolated USB 60cc Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulabatran (USB 20. not galvanically isolated, 3-jin D-sub-plug, UNC Experimental Missulaba	Technology			Projected Capacitive Touch (PCT)
Processor Internal memory Enternal memory Cooling Enternal memory Cooling Back-up of rearl-time clock Bath-up of rearl-time cl	Touch sensor			Multi-touch touch panel
Internal memory External memory Cooling External memory Cooling External memory Cooling External memory Cooling External memory External memory Cooling External memory External mem	System			
External memory Cooling Sack-ty of real-time clock Sattary (service lite) Normally 10 years Fingineering Visualization sorthware NasoFi-CODESYS XSOFI-CODESYS XSOFI-CODESYS	Processor			ARM Cortex-A9 800 MHz
Extraril monory S	Internal memory			
Backs of real-time clock Backs of real-time clock Backs of real-time clock Backs (fire) Backs (f				
Back-up for sal-time clock Battery (service life)	External memory			SD card, Type: SDSC, SDHC
Battery service life	Cooling			Fanless CPU and system cooling, natural convection-based passive cooling
Engineering Visualusation software Visualusation sof	Back-up of real-time clock			
Engineering Visualization sortware PLC-Programming software PLC-Programming software PLC-Programming software VISUAL DESIGNER XSGFF_CODESYS 2 XSGFF_CODESYS 2 XSGFF_CODESYS 3 XSGFF_CODES	Battery (service life)			non-replaceable, BR2330 soldered in
Visualization scrivere Visualization scrivere Visualization scrivere Visualization scrivere Visualization Visualiz	Backup (time at zero voltage)			
Visualisation software VISUAL DESIGNEE XSOFT-CODESYS PLC-Programming software XSOFT-CODESYS-2 XSOFT-CODESYS-3 XSOFT-CODESYS-3 XSOFT-CODESYS-3 Target and web visualization Yes PLC-licence PLC licence inclusive Operating system Windows Embedded Compact 7 Pro Interfaces Visualization Interfaces Zero Ethernet (10/100 Mbps 1 x RS485 1 x RS485 1 x RS485 1 x RS485 1 x RS485 1 x RS485 1 x RS486 USB 2.0, not galvanically isolated USB device Visualization RS-222 Not galvanically isolated, 9-pin D-sub plug, UNC RS-485 Not galvanically isolated, 9-pin D-sub plug, UNC CAN Not galvanically isolated, 9-pin D-sub plug, UNC CAN Yes Ethernet Yes Ethernet Yes Ethernet Yes Ethernet with the properties of the properties o	Engineering			
PLC Programming software FLC licence Operating system Interfaces, communication Dubti-in interfaces Interface	Visualisation software			
SSOFF-CODESYS-3 SSOFF-CODE				
Target and web visualization PLG-licence Operating system Interfaces PLG licence inclusive Operating system Interfaces Vindows Embedded Compact 7 Pro Interfaces Vindows Embedded Compact 7 Pro Interfaces Vindows Embedded Compact 7 Pro Interfaces Vindows Embedded Compact Pro Vindows Embedded Compact Interfaces Vindows Embedded	PLC-Programming software			
PLC licence PLC licence inclusive Operating system Vindows Embedded Compact 7 Pro Interfaces. Vindows Embedded Compact 7 Pro Interfaces. 2 x Ethernet 10/100 Mbps 1 x 82322 1 x 83885 1 x 18589 1 x 1858 80 vice 1 x CANtopeno/ReasyNet 1 x Smart/Wire-DT USB Host USB 20, not galvanically isolated USB device USB 20, not galvanically isolated USB 40vice USB 20, not galvanically isolated, 9-pin D-sub plug, UNC RS-232 Not galvanically isolated, 9-pin D-sub plug, UNC CAN Not galvanically isolated, 9-pin D-sub plug, UNC CAN Not galvanically isolated, 9-pin D-sub plug, UNC Siots for SD card: 1 SmartWire-DT master yes Ethernet 10/100 Mbps Power supply Normal voltage 2 Yes Ethernet 2 Yes Ethernet 2 Yes Power supply Normal voltage Power supply Normal voltage Power supply 1 Yes Voltage dips 2 Yes CSELV (safety extra low voltage) Effective: 18,2-31,2 V DC (rated operating voltage -	Tarnet and web visualization			
Departing system				
Interfaces, communication built-in interfaces \$\begin{array}{cccccccccccccccccccccccccccccccccccc				
buil-in interfaces \$\begin{array}{cccccccccccccccccccccccccccccccccccc				Wildows Linbeaded Compact / 110
I x R5232 1 x R5435 1 x USB host 2 1 x USB device 1 x CANopen@yleasyNet 1 x USB 2.0, not galvanically isolated Section 2 x Section 2	built-in interfaces			2 x Ethernet 10/100 Mbps
Section Sect				
USB Host USB device USB 20, not galvanically isolated Pes *********************************				1 x USB host 2.0
USB Host USB device USB 2.0, not galvanically isolated USB 2.0, not galvanically isolated USB 2.0, not galvanically isolated Not galvanically isolated, 9-pin D-sub plug, UNC RS-485 Not galvanically isolated, 9-pin D-sub plug, UNC CAN Not galvanically isolated, 9-pin D-sub plug, UNC CAN Not galvanically isolated, 9-pin D-sub plug, UNC Slots for SD card: 1 SmartWire-DT master Ethernet 10/100 Mbps MPI no Power supply Nominal voltage permissible voltage ### Supply Nominal voltage ### Supply Voltage dips ### Supply Voltage dips ### Supply Voltage dips ### Supply Nomer consumption Pmax. ### Val.6 ### Val.6 ### Normally 16 ### Heat dissipation Note on heat dissipation ### Wash of the special power of the supplied of the special power of the supplied of the				
USB device RS-232 RS-485 CAN RS-485 CAN Slots SmartWire-DT master Ethernet MPI Mominal voltage permissible voltage permissible voltage Woltage dips Voltage dips Power consumption Power consumption Power consumption Power consumption Power on metal dissipation Note on heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Yes Note on heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Yes Note on heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Yes Note on heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Yes Note on heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module				
RS-232 RS-485 RS	USB Host			USB 2.0, not galvanically isolated
RS-485 CAN CAN Slots SmartWire-DT master Ethernet Ethernet MPI Nominal voltage permissible voltage Power consumption Power consumption Power consumption Heat dissipation Note and neat dissipation Note galvanically isolated, 9-pin D-sub plug, UNC for SD card: 1 Yes 10/100 Mbps 10/	USB device			USB 2.0, not galvanically isolated
CAN Slots for SD card: 1 SmartWire-DT master Ethernet / Yes Ethernet / 10/100 Mbps no POWER Supply Nominal voltage permissible voltage permissible voltage Voltage dips Volta	RS-232			Not galvanically isolated, 9-pin D-sub plug, UNC
Slots for SD card: 1 SmartWire-DT master Ethernet / Yes Ethernet / 10/100 Mbps 10/100 Mpps	RS-485			Not galvanically isolated, 9-pin D-sub plug, UNC
SmartWire-DT master Ethernet 10/100 Mbps 10/100 Mbps MPI Power supply Nominal voltage permissible voltage Voltage dips Voltage dips Power consumption Power consumption Power consumption Note on heat dissipation Note on heat dissipation Protection against polarity reversal Yes 10/100 Mbps 10/100 Mps	CAN			Not galvanically isolated, 9-pin D-sub plug, UNC
Ethernet MPI Power supply Nominal voltage permissible voltage Voltage dips Voltage dips Power consumption Power consumption Nome on heat dissipation Note on heat dissipation MPI Nominal voltage 10/100 Mbps no 10/100 Mbps no 10/100 Mbps no 10/100 Mbps no 10/100 Mbps 10/100 Mbps no 10/100 Mbps 10/100 Mps 10/1	Slots			for SD card: 1
MPI Power supply Nominal voltage permissible voltage Voltage dips Voltage dips Power consumption Power consumption Note on heat dissipation Note on heat dissipation Protection against polarity reversal Power supply 24 V DC SELV (safety extra low voltage) Effective: 19.2-30.0 V DC (rated operating voltage -20%/+25%) Absolute with ripple: 18,0-31,2 V DC Battery powered: 18,0-31,2 V DC (rated operating voltage -25%/+30%) 35 V DC for a duration of < 100 ms 4 Voltage dips Ms 4 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC) W Normally 16 Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Protection against polarity reversal	SmartWire-DT master			Yes
Power supply Nominal voltage 24 V DC SELV (safety extra low voltage) permissible voltage Effective: 19.2-30.0 V DC (rated operating voltage -20%/+25%)	Ethernet			10/100 Mbps
Power supply Nominal voltage 24 V DC SELV (safety extra low voltage) permissible voltage Effective: 19.2-30.0 V DC (rated operating voltage -20%/+25%)	MPI			no
Nominal voltage permissible voltage permissible voltage permissible voltage permissible voltage Effective: 19.2-30.0 V DC (rated operating voltage -20%/+25%) Absolute with ripple: 18,0-31,2 V DC Battery powered: 18,0-31,2 V DC (rated operating voltage -25%/+30%) 35 V DC for a duration of < 100 ms Voltage dips ms 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC) Power consumption Power consumption W Normally 16 Heat dissipation Note on heat dissipation W 21.6 Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Protection against polarity reversal Yes	Power supply			
Absolute with ripple: 18,0-31,2 V DC Battery powered: 18,0-31,2 V DC (rated operating voltage -25%/+30%) 35 V DC for a duration of < 100 ms Voltage dips ms ≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC) Power consumption Power consumption W Normally 16 Heat dissipation W 21.6 Note on heat dissipation W 21.6 Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Protection against polarity reversal Absolute with ripple: 18,0-31,2 V DC Battery powered: 18,0-31,2 V DC (rated operating voltage -25%/+30%) 35 V DC for a duration of < 100 ms *** *** *** *** *** *** *** *** *** *	Nominal voltage			24 V DC SELV (safety extra low voltage)
Battery powered: 18,0-31,2 V DC (rated operating voltage -25%/+30%) 35 V DC for a duration of < 100 ms Voltage dips ms ≤ 10 ms from rated voltage (24 V DC) Fower consumption Pmax. W 21.6 Power consumption W Normally 16 Heat dissipation W 21.6 Note on heat dissipation W 21.6 Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Protection against polarity reversal yes	permissible voltage			
Voltage dips ms ≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC) Power consumption Pmax. W 21.6 Power consumption W Normally 16 Heat dissipation W 21.6 Note on heat dissipation W 21.6 Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module				
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Power consumption Power consumption Power consumption Power consumption W Normally 16 Value on heat dissipation W 21.6 Heat dissipation W 21.6 Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Protection against polarity reversal Protection against polarity reversal	Voltage dips		ms	
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Heat dissipation W 21.6 Note on heat dissipation Heat dissipation Heat dissipation Heat dissipation Heat dissipation Heat dissipation With power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Protection against polarity reversal yes		P _{max} .		
Note on heat dissipation Heat dissipation with power consumption for 24 V 19.1 W for basic device + 2.5 W for USB module Protection against polarity reversal yes	Power consumption			
Protection against polarity reversal 19.1 W for basic device + 2.5 W for USB module yes	Heat dissipation		W	21.6
Protection against polarity reversal yes	Note on heat dissipation			
	Protection against polarity reversal			
Type of tuse not accessible)				
	type of fuse			res (nase not accessible)

Potential isolation			no
General			
Housing material			Aluminium die-cast (glass panel) Insulated material black
Front type			Non-reflective tempered glass in aluminum frame
Dimensions (W x H x D)		mm	404 x 255 x 53
flush mounted			Clearance: W x H \geq 50 mm (1.97"), T \geq 20 mm (0.79") Inclination from vertical: # \leq \pm 10 ° (if using natural convection) Mounting plate: min. 1.5 mm (0.06"), max. 4 mm
Weight		kg	3.95
Degree of protection (IEC/EN 60529, EN50178, VBG 4)			IP65 (in the front as per EN 60529-1), IP20 (on rear as per EN 60529-1) NEMA 4X NEMA12 (as per NEMA 250-2003)
Approvals			
Approvals			cUL 61010-2-201
Applied standards and directives			
EMC			2004/108/EEC
Emitted interference			IEC/EN 61000-6-4
Interference immunity			IEC/EN 61000-6-2
Product standards			EN50178/IEC/EN 61131-2
Mechanical shock resistance		g	15g / 11ms
Vibration		9	59 Hz +- 3.5 mm 960 Hz +- 0.15 mm 60150 Hz ± 2 g
Free fall, packaged		m	IEC/EN 60068-2-31
RoHS			conform
Environmental conditions			Comonii
Climatic environmental conditions			
Climatic proofing			Cold to EN 60068-2-1
			Dry heat to IEC 60068-2-2 Damp heat as per EN 60068-2-3
Air pressure (operation) Temperature		hPa	795 - 1080
Storage / Transport	9	°C	-20 - +60
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	+ 50
Relative humidity			
Condensation			Non-condensing
Relative humidity			10 - 95%, non-condensing
Supply voltage U _{Aux}			
Rated operational voltage	U_{Aux}	٧	24 V DC (-15/+20%)
Residual ripple on the input voltage		%	≦5
Protection against polarity reversal			Yes
Max. current	I _{max}	Α	3
Note			If contactors with a total power consumption > 3 A are connected, a power feeder module EU5C-SWD-PF1/2 has to be used.
Short-circuit rating			no, external fuse FAZ Z3
Potential isolation			No
Rated operating voltage of 24-V-DC slaves		٧	typ. U _{Aux} - 0.2
Supply voltage U _{Pow}			
Supply voltage	U_{Pow}	٧	24 DC -15 % + 20 %
Input voltage ripple		%	≦ 5
Protection against polarity reversal			yes
Rated current	1	Α	0.7
Overload proof			
		۸	yes
		A W	12.5 A/6 ms
Inrush current and duration		VV	1.0
Heat dissipation at 24 V DC			No
Heat dissipation at 24 V DC Potential isolation between U _{Pow} and 15 V SmartWire-DT supply voltage			No
Heat dissipation at 24 V DC		ms	No 10

Status indication		LED	yes
SmartWire-DT supply voltage			
Rated operating voltage	U _e	V	14.5 ± 3 %
max. current	I _{max}	Α	0.7
Note			If SmartWire-DT modules with a total power consumption > 0.7 A are connected, a power feeder module EU5C-SWD-PF2 has to be used.
Short-circuit rating			Yes
Connection supply voltages			
Connection type			Push in terminals
Solid		mm^2	0.2 - 1.5
Flexible with ferrule		mm^2	0.25 - 1.5
UL/CSA solid or stranded		AWG	24 - 16
SmartWire-DT network			
Station type			SmartWire-DT master
Number of SmartWire-DT slaves			99
Baud Rates		kBd	125 250
Address allocation			automatic
Status indication		LED	SmartWire-DT master LED: red/green Configurations LED: red/green
Connections			Plug, 8-pole
Plug connector			Blade terminal SWD4-8MF2

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	21.6
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	50
Degree of Protection			IP65 (in the front as per EN 60529-1), IP20 (on rear as per EN 60529-1) NEMA 4X NEMA12 (as per NEMA 250-2003)
EC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects $$			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Please enquire
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

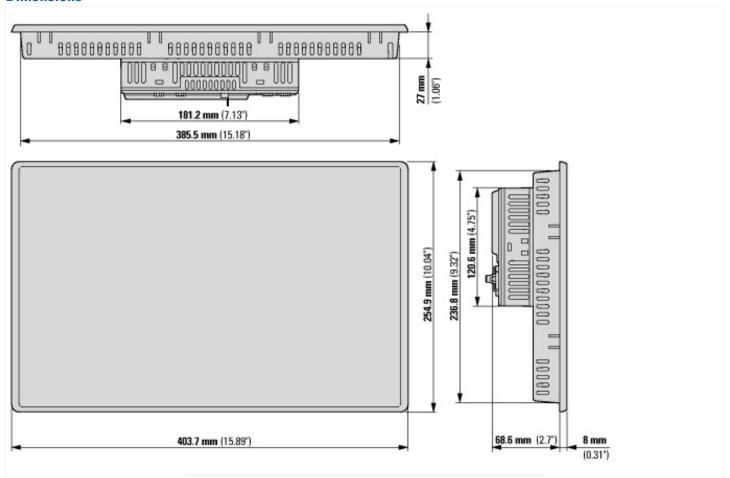
PLC's /EC000034) / Craphia papal /EC001413)		
PLC's (EG000024) / Graphic panel (EC001412)	someonet / Donal	/
Electric engineering, automation, process control engineering / Display and control	component / Panei	
Supply voltage AC 50 Hz		0-0
Supply voltage AC 60 Hz	V	0-0
Supply voltage DC	V	19.2 - 30
Voltage type of supply voltage		DC
Number of HW-interfaces industrial Ethernet		2
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		1
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		1
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		2
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces other		1
With SW interfaces		Yes
Supporting protocol for TCP/IP		Yes
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		Yes
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No
Supporting protocol for MODBUS		Yes
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		No
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol for PROFINET IO		No
Supporting protocol for PROFINET CBA		No
Supporting protocol for SERCOS		No
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for EtherNet/IP		Yes
Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for DeviceNet Safety		No
Supporting protocol for INTERBUS-Safety		No
Supporting protocol for PROFIsafe		No
Supporting protocol for SafetyBUS p		No
Supporting protocol for other bus systems		No
Radio standard Bluetooth		No
Radio standard WLAN 802.11		No
Radio standard GPRS		No
Radio standard GSM		No
Radio standard UMTS		No
10 link master		No
Type of display		TFT
With colour display		Yes
Number of colours of the display		16777216
Number of grey-scales/blue-scales of display		0
Screen diagonal	inch	
-		

Number of pixels, horizontal		1366
Number of pixels, vertical		768
Useful project memory/user memory	kByte	512000
With numeric keyboard		No
With alpha numeric keyboard		No
Number of function buttons, programmable		0
Number of buttons with LED		0
Number of system buttons		1
Touch technology		Capacitive multitouch
With message indication		Yes
With message system (incl. buffer and confirmation)		Yes
Process value representation (output) possible		Yes
Process default value (input) possible		Yes
With recipes		Yes
Number of password levels		200
With printer output		Yes
Number of online languages		100
Additional software components, loadable		Yes
Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side		12
Operation temperature	°C	0 - 50
Rail mounting possible		No
Wall mounting/direct mounting		No
Suitable for safety functions		No
Width of the front	mm	404
Height of the front	mm	255
Built-in depth	mm	75.5

Approvals

North America Certification	Request filed for UL
Specially designed for North America	No
Current Limiting Circuit-Breaker	No
Degree of Protection	IEC: IP65, NA: NEMA4X, NEMA12

Dimensions



XV-303-... multi-touch panel with 15.6" screen diagonal; version: flush mounting

