#### DATASHEET - XV-303-70-C02-A00-1C



Control panel with PLC, 24 VDC, 7 Inches PCT-Display, 1024x600 pixels, 2xEthernet, 1xRS232, 1xRS485, 1xCAN, 1xProfibus, 1xSD card slot



Part no. XV-303-70-C02-A00-1C

Catalog No. 179654

Alternate Catalog XV-303-70-C02-A00-1C

No.

Similar to illustration

**Delivery program** 

Product range		XV300 7"
Product range		XV-303
Function		HMI-PLC (integrated SPS function)
Description		Control panel with PLC, PROFIBUS, and 2nd Ethernet port
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 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	WSVGA 1024 x 600
Portrait format		yes
Screen diagonal	Inch	7 widescreen
Model		Plastic enclosure and glass panel in plastic frame
Operating system		Windows Embedded Compact 7 Pro
PLC-licence 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 CANopen®/easyNet

1 x USB host 2.0 1 x USB device 1 x PROFIBUS/MPI

Flush mounting

for SD card: 1

14.4

Multi-touch touch panel

Anti-glare tempered glass in plastic bezel

Optionally with SD card -> article no. 181638

# Technical data Display

Memory card automation

Pluggable communication cards (optional)

Front type

Utilization

Touch sensor

Heat dissipation

Slots

Dishigh		
Display - Type		Color display, TFT, anti-glare
Screen diagonal	Inch	7 widescreen
Resolution	Pixel	WSVGA 1024 x 600
Visible screen area	mm	153.6 x 90.0
Format		16:9
Number of colours		16777216 (Color depth 24 bit)
Contrast ratio (Normally)		Normally 850:1

W

Brightness		cd/m <sup>2</sup>	Normally 400
Back-lighting			LED dimmable via software
Service life of back-lighting		h	Normally 50000
Operation			,
Technology			Projected Capacitive Touch (PCT)
Touch sensor			Multi-touch touch panel
System			
Processor			ARM Cortex-A9 800 MHz
Internal memory			DRAM: 512 MB RAM Flash: 1GB SLC NVRAM: 128kB Retain
External memory			SD card, Type: SDSC, SDHC
Cooling			Fanless CPU and system cooling, natural convection-based passive cooling
Back-up of real-time clock			,
Battery (service life)			non-replaceable, BR2330 soldered in
Backup (time at zero voltage)			Normally 10 years
Engineering			Normany to years
Visualisation software			GALILEO
			XSOFT-CODESYS
PLC-Programming software			XSOFT-CODESYS-2 XSOFT-CODESYS-3
Target and web visualization			Yes
PLC-licence			PLC licence inclusive
Operating system			Windows Embedded Compact 7 Pro
Interfaces, communication			
built-in interfaces			2 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x CANopen®/easyNet 1 x USB host 2.0 1 x USB device 1 x PR0FIBUS/MPI
USB Host			USB 2.0, not galvanically isolated
USB device			USB 2.0, not galvanically isolated
RS-232			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
Profibus			PROFIBUS-DP, not galvanically isolated, 9 pole SUB-D socket, UNC
Slots			for SD card: 1
Ethernet			10/100 Mbps
MPI			Yes
Power supply			162
Nominal voltage			24 V DC SELV (safety extra low 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	P <sub>max</sub> .	W	14.4
Power consumption		W	Normally 14
Heat dissipation		W	14.4
Note on heat dissipation			Heat dissipation with power consumption for 24 V 11.9 W for basic device + 2.5 W for USB module
Protection against polarity reversal			yes
Type of fuse			Yes (fuse not accessible)
Potential isolation			no
General			
Housing material			Insulated material black
Front type			Anti-glare tempered glass in plastic bezel
Dimensions (W x H x D)		mm	196 x 135 x 51
flush mounted			Clearance: W x H x D ≥ 30 mm (1.18")
			5.55.5.5.5. Tr A I A D = 50 mm (1.10)

			Inclination from vertical: ±45° (if using natural convection)
Weight		kg	0.74
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
shipping classification			DNV GL
			DNV-GL MARITIME
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			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			
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)		hPa	795 - 1080
Temperature			
Storage / Transport	9	°C	-20 - +60
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	+ 50
3			

## Design verification as per IEC/EN 61439

Condensation

Relative humidity

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	$P_{\text{vid}}$	W	0
Equipment heat dissipation, current-dependent	$P_{\text{vid}}$	W	0
Static heat dissipation, non-current-dependent	$P_{vs}$	W	14.4
Heat dissipation capacity	P <sub>diss</sub>	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
IEC/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.

Non-condensing

10 - 95%, non-condensing

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**

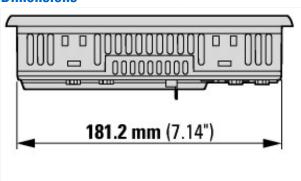
PLC's (EG000024) / Graphic panel (EC001412)			
Electric engineering, automation, process control engineering / Display and control	rol component / Pane	el (HMI) / Graphic panel (HMI) (ecl@ss10.0.1-27-33-02-01 [AFX016003])	
Supply voltage AC 50 Hz	V	0 - 0	
Supply voltage AC 60 Hz	V	0 - 0	
Supply voltage 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		2	
With SW interfaces		Yes	
Supporting protocol for TCP/IP		Yes	
Supporting protocol for PROFIBUS		Yes	
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	

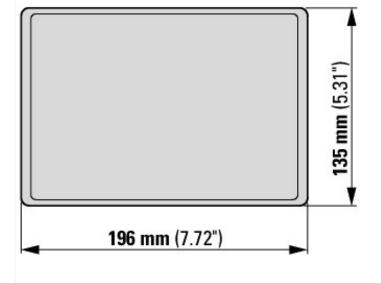
Supporting protect for PROFISITY         Na           Supporting protect for other bus systems         10         Na           Hallon standard SHedoth         10         Na           Radio standard SHEAD         10         Na           Radio Fall Shorterial         10         Na           Radio Fall Shorterial         10         Na           Radio James Shorterial         10         Na <th></th> <th></th> <th></th>			
Supporting protocol for other bus systems           N         No           Radio standard Blutzoth           N         No           Radio standard SMLAN 92.11           N         No           Radio standard SMS           N         No           Radio standard UMTAS           N         No           I link master           N         No           Type of display           N         No           With color display           N         1677726           Number of glady           N         1777278           Number of glady           N         1777278           Number of glady           N         1777278           Number of glady shartontal           N         1777278           Number of glady shartontal           N         1777278           Number of glady shartontal           N         1787278           Number of glady shartontal           N         179247           Number of glady shartontal           N	Supporting protocol for PROFIsafe		No
Radio standard Bluetouth         In Montand Standard WIAN 802-11         Montand Standard WIAN 802-11         Montand Standard Standa			No
Radio standard WNA W82.11         ( )         No           Radio standard CRSN         ( )         No           Radio standard CRSM         ( )         Radio Standard CRSM           Radio Standard CRSM         ( )         Radio Standard	· · · · · · · · · · · · · · · · · · ·		
Radio standard SWA         No           Radio standard SWA         No           Radio standard SWA         No           In International Control         No           Union master         No           Type of deplay         TF           With cloud risplay         1977/19           Number of groy-scales/blue-scales of display         1977/19           Screen diagonal         192         192           Number of plosis, burtical         192         192           Number of plosis, burtical         192         192           With cloud pool of many laws memory         188         192           With shiph an memic keyboard         192         192           With shiph an memic keyboard         192         192           Number of places from with LED         192         192           Number of places from with LED         192         192           With shiph an memic keyboard         192         192           With plan an amemic keyboard         192         192           With ship an amemic keyboard         192         192           With ship and places from function buttons programmable         192         192           With sessage indication         192         192         192			No
Redio standard UMTS  Anichardard Umts  Anicharda	Radio standard WLAN 802.11		No
Redio standard UMTS 10 Inkmaster 10 Inkmaste			
ID link mastar       ID link mastar       ID link mastar       ID link mastar       IT ID link mas			No
Open of display         FT           With colour display         9           Number of colours of the display         6           Stream diagonal         inch           Stream diagonal         inch           Stream diagonal         inch           Number of pixels, horizontal         yea           Useful project memory         keg           With number (keyboard         yea           With number (keyboard         yea           Number of function buttons, programmable         yea           Number of function buttons, programmable         yea           Number of buttons with Los         yea           With message indication         yea           With message indication         yea           With message indication         yea           Process value representation (utput) possible         yea           Number of password levels         yea           With primary county         yea           With primary county			No
With colour display         Yes           Number of colours of the display         5 (77716)           Number of prey-scales/blue-scales of display         7 (2772)           Number of prey-scales/blue-scales of display         8 (2772)           Number of pixels, broizontal         1 (2772)         2 (2772)           Number of pixels, vertical         2 (2772)         2 (2772)           Useful project memory/user memory         8 (2772)         2 (2772)           With alpha maneric keyboard         1 (2772)         2 (2772)           With alpha maneric keyboard         2 (2772)         3 (2772)           Number of buttons programmable         2 (2772)         4 (2772)           Number of buttons with LED         2 (2772)         4 (2772)           Number of system buttons         2 (2772)         4 (2772)           With message system (incl. buffer and confirmation)         2 (2772)         4 (2772)           With message system (incl. buffer and confirmation)         2 (2772)         4 (2772)           With recipacy         2 (2772)         4 (2772)           With recipacy </td <td>10 link master</td> <td></td> <td>No</td>	10 link master		No
Number of colours of the display         67728           Number of prey-scales/blue-scales of display         6         7           Screen diagonal         10         7           Number of pixels, brizontal         102         40           Number of pixels, svertical         20         30           Useful project memory/user memory         8         150         100           With numeric kayboard         8         150         100           With all numeric kayboard         8         10         100         100           With all numeric kayboard         8         10         100 <th< td=""><td>Type of display</td><td></td><td>TFT</td></th<>	Type of display		TFT
Number of grey-seles/blue-seles of display         inch         7           Screen diagonal         inch         7           Number of pixels, brotzontal         60         1024           Number of pixels, vertical         80         1500           With numeric keyboard         80         1500           With alpha numeric keyboard         10         10           Number of buttons, programmable         10         10           Number of buttons with LED         10         10           With message system (incl. buffer and confirmation)         10         10           With message system (incl. buffer and confirmation)         10         10           With recipes         10         10           Process default value (input) possible         10         10           With recipes         10         10           With recipes         10         10           With recipes of online languages         10         10           With printer output         10         10           Degree of protection (NEMA), fr	With colour display		Yes
Screen diagonal         inch         7           Number of pixels, horizontal         1024           Number of pixels, vertical         600           Useful project memory         824         5000           With numeric keyboard         No         No           With alpha numeric keyboard         6         No           Number of function buttons, programmable         6         Q           Number of buttons with LED         1         1           Number of system buttons         6         2         6           Number of system buttons         6         2         6           Number of system buttons         6         8         7         8           With respace indication         6         8         8         8           With message system (incl. buffer and confirmation)         6         8         8         8           Process default value (input) possible         7         8         8           With recipes         8         9         9           Number of password levels         9         9         9           With primer output         9         9         9           Additional software components, loadable         9         9         9 </td <td>Number of colours of the display</td> <td></td> <td>16777216</td>	Number of colours of the display		16777216
Number of pixels, horizontal         1024         <	Number of grey-scales/blue-scales of display		0
Number of pixels, vertical         kByte         512000           With numeric keyboard         No           With alpha numeric keyboard         No           Number of function buttons, programmable         O           Number of function buttons, programmable         O           Number of system buttons         I         O           Number of system buttons         I         Capacitive multitouch           With message indication         Yes         Capacitive multitouch           With message system (incl. buffer and confirmation)         Yes         Yes           Process value representation (output) possible         Yes         Yes           With recipies         Yes         Yes           With recipies         Yes         Yes           With printer output         Yes         Yes           Number of online languages         Yes         Yes           Additional software components, loadable         Yes         Yes           Degree of protection (IP), front side         Yes         Yes           Degree of protection (IREMA), front side         Yes         Yes           Degree of protection (NEMA), front side         Yes         Yes           Degree of protection (NEMA), front side         Yes         Yes		inch	7
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         1           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 recipies         Yes           With printer output         Yes           Number of password levels         Yes           With printer output         Yes           Number of online languages         Yes           Additional software components, loadable         Yes           Degree of protection (IVE, front side         Yes           Qual mounting possible         Yes           Wall mounting (iffect mounting         Yes <td>Number of pixels, horizontal</td> <td></td> <td>1024</td>	Number of pixels, horizontal		1024
With numeric keyboard         No           With alpha numeric keyboard         O           Number of function buttons, programmable         O           Number of buttons with LED         O           Number of system buttons         O           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           Vith recipes         Yes           With printer output         Yes           Number of password levels         Yes           Number of inline languages         100           Additional software components, loadable         Yes           Degree of protection (IP), front side         Yes           Degree of protection (IP), front side         12           Degree of protection (IP), front side         10           Suitable for safety functions         10           With message avery file of the front         10 <td>Number of pixels, vertical</td> <td></td> <td>600</td>	Number of pixels, vertical		600
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         Yes           Number of online languages         100           Additional software components, loadable         Yes           Degree of protection (IP), front side         Pe5           Degree of protection (IRMA), front side         Pe5           Degree of protection (IPMA), front side         Po           Wall mounting/direct mounting         No           Suitable for safety functions         No           With of the front         mm         196           Height of the front         mm         196	Useful project memory/user memory	kByte	512000
Number of function buttons, programmable Number of buttons with LED Number of system buttons Touch technology With message indication With message system (incl. buffer and confirmation) Process value representation (output) possible Process default value (input) possible With recipes Number of password levels Number of password levels Number of online languages Number of online languages Number of online languages Degree of protection (IP), front side Degree of protection (IPA, front side Degree of protection (NEMA), front side Number of passely Number of passely Number of passely Number of passely Number of online languages Number of password levels Number of	With numeric keyboard		No
Number of buttons with LED  Number of system buttons  Touch technology  With message indication  With message system (incl. buffer and confirmation)  Process value representation (output) possible  Process default value (input) possible  With recipes  With of notine languages  Additional software components, loadable  Degree of protection (IP), front side  Degree of protection (NEMA), front side  Degree of protection (NEMA), front side  Degree of protection (NEMA), front side  With menerature  Rail mounting possible  With message indication  With printer output  Number of password levels  Degree of protection (NEMA), front side  With message indication  With message indication  With message indication  Types  Process default value (input) possible  Process default value (input) possible  No  With message indication  Types  Process default value (input) possible  No  With of the front  Mith of the front  M	With alpha numeric keyboard		No
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         Yes           With printer output         Yes           Number of online languages         100           Additional software components, loadable         Yes           Degree of protection (IP), front side         12           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         mm         196           Witth of the front         mm         196           Height of the front         mm         135	Number of function buttons, programmable		0
Touch technology  With message indication  With message system (incl. buffer and confirmation)  Process value representation (output) possible  Process default value (input) possible  With recipes  Number of password levels  With printer output  Number of online languages  Additional software components, loadable  Degree of protection (IP), front side  Degree of protection (NEMA), front side  Degree of protection (NEMA), front side  Upperation temperature  Rail mounting possible  Wall mounting/direct mounting  With of the front  Height of the front  Height of the front  With message system (incl. buffer and confirmation)  Yes  Capacitive multitouch  Yes  Yes  Ves  Vas  100  Ves  100  Ves  12  12  No  No  No  No  No  No  No  Wall mounting/direct mounting  With of the front  Height of the front  Height of the front  Minume Sage system (incl. buffer and confirmation)  With message indication  Yes  Capacitive multitouch Yes  Yes  Ves  100  Ves  100  No  No  No  No  No  No  No  No  No	Number of buttons with LED		0
With message indication  With message system (incl. buffer and confirmation)  Process value representation (output) possible  Process default value (input) possible  With recipes  With recipes  With printer of password levels  With printer output  With printer output  Additional software components, loadable  Degree of protection (IP), front side  Degree of protection (NEMA), front side  Degree of protection themperature  Process default value (input) possible  With printer output  Additional software components, loadable  Degree of protection (INEMA), front side  Degree of protection (INEMA), front side  Degree of protection to themperature  Process default value (input) possible  Wall mounting possible  Wall mounting/direct mounting  Suitable for safety functions  With of the front  Height of the front  mm 196	Number of system buttons		1
With message system (incl. buffer and confirmation) Process value representation (output) possible Process default value (input) possible With recipes With recipes With printer of password levels With printer output With printer output Number of online languages Additional software components, loadable Degree of protection (IP), front side Degree of protection (NEMA), front side Degree of protection (NEMA), front side  Uperation temperature Rail mounting possible Wall mounting/direct mounting Suitable for safety functions With front Height of the front Height of the front Manual mounting for side front Manual mounting for safety functions Manual mounting for safety fun	Touch technology		Capacitive multitouch
Process value representation (output) possible Process default value (input) possible With recipes With recipes Number of password levels With printer output With printer output Number of online languages Number of online languages Additional software components, loadable Degree of protection (IP), front side Degree of protection (NEMA), front side Degree of protection (NEMA), front side No Degreation temperature Rail mounting possible Wall mounting/direct mounting Suitable for safety functions Width of the front Height of the front Minumer of online languages Yes 100 100 100 100 100 100 100 100 100 10	With message indication		Yes
Process default value (input) possible  With recipes  Number of password levels  With printer output  With printer output  Number of online languages  Additional software components, loadable  Degree of protection (IP), front side  Degree of protection (NEMA), front side  Degree of protection (NEMA), front side  Poeration temperature  Poeration temperature  Rail mounting possible  Wall mounting/direct mounting  Suitable for safety functions  Width of the front  Height of the front  Was a suppossible in the protection of the prot	With message system (incl. buffer and confirmation)		Yes
With recipes Number of password levels With printer output With printer output Number of online languages Additional software components, loadable Degree of protection (IP), front side Degree of protection (NEMA), front side  12 Operation temperature  Pc 0 - 50 Rail mounting possible Wall mounting/direct mounting Suitable for safety functions Width of the front Midth of the front With recipes Yes 100 Yes 100 Yes 100 Yes 100 Yes 100 No 12 No 12 No 100 No	Process value representation (output) possible		Yes
Number of password levels  With printer output  Yes  Number of online languages  Additional software components, loadable Degree of protection (IP), front side  Degree of protection (NEMA), front side  Degree of protection (NEMA), front side  Operation temperature  °C  0 - 50  Rail mounting possible  Wall mounting/direct mounting  Suitable for safety functions  Width of the front  Meight of the front  mm  196  Height of the front  mm  135	Process default value (input) possible		Yes
With printer output  Number of online languages  Additional software components, loadable  Degree of protection (IP), front side  Degree of protection (NEMA), front side  12  Operation temperature  C 0 - 50  Rail mounting possible  Wall mounting/direct mounting  Suitable for safety functions  Width of the front  Height of the front  With printer output  Yes  100  100  Possible  Yes  12  0 - 50  No  No  No  No  No  Midth of the front  mm 196  Height of the front  mm 135	With recipes		Yes
Number of online languages Additional software components, loadable Pegree of protection (IP), front side Pegree of protection (NEMA), front side Pegree of protection	Number of password levels		200
Additional software components, loadable  Degree of protection (IP), front side  Degree of protection (NEMA), front side  12  Operation temperature  °C 0 - 50  Rail mounting possible  No  Wall mounting/direct mounting  Suitable for safety functions  Width of the front  Height of the front  Message and safety suitable for safety functions  Type suitable for safety functions  Message suitable for safety functions  Type suitable for safety functions  Mo  Width of the front  Mm 196  Height of the front  Message suitable for safety functions  Message suitable functions  Message	With printer output		Yes
Degree of protection (IP), front side  Degree of protection (NEMA), front side  12  Operation temperature  °C  0 - 50  Rail mounting possible  No  Wall mounting/direct mounting  Suitable for safety functions  Width of the front  Height of the front  IP65  12  O - 50  No  No  No  No  No  196  Height of the front  mm  135	Number of online languages		100
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  Width of the front  Mm  196  Height of the front  mm  135	Additional software components, loadable		Yes
Operation temperature       °C       0 - 50         Rail mounting possible       No         Wall mounting/direct mounting       No         Suitable for safety functions       No         Width of the front       mm       196         Height of the front       mm       135	Degree of protection (IP), front side		IP65
Rail mounting possible  Wall mounting/direct mounting  No  Suitable for safety functions  No  Width of the front  mm 196  Height of the front  mm 135	Degree of protection (NEMA), front side		12
Wall mounting/direct mounting     No       Suitable for safety functions     No       Width of the front     mm     196       Height of the front     mm     135	Operation temperature	°C	0 - 50
Suitable for safety functionsNoWidth of the frontmm196Height of the frontmm135	Rail mounting possible		No
Width of the front mm 196 Height of the front mm 135	Wall mounting/direct mounting		No
Height of the front mm 135	Suitable for safety functions		No
	Width of the front	mm	196
Built-in depth mm 43.1	Height of the front	mm	135
	Built-in depth	mm	43.1

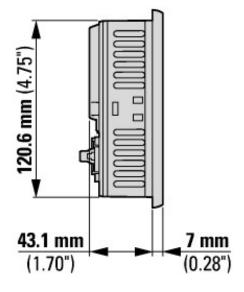
#### **Approvals**

- PPT-0-1-0-1	
Product Standards	UL 61010-2-201; IEC/EN 61131-2; CE
UL File No.	E205091
North America Certification	UL listed, certified by UL for use in Canada
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 7" screen diagonal; version: flush mounting

