



Touch panel, 24 V DC, 5.7z, STNcolor, ethernet, RS232, profibus, (PLC)

Article no. 139957

Delivery program

Product range			XV200
Display - Type			Color display, CSTN
Touch-technology			Resistive-Touch
Number of colours			256 colors
Resolution		Pixel	320 x 240
Portrait format			yes
Screen diagonal		Inch	5.7
Model			Insulating enclosure and front plate
Operating system			Windows CE (license required)
PLC-licence			Can be fitted by user with article no. 140389 LIC-PLC-MXP-SMALL
License certificates for onboard interfaces			Can be expanded as required, see Accessories -> License product certificates
built-in interfaces			2 x Ethernet 100Base-TX/10Base-T 1 x RS232 1 x PROFIBUS/MPI
Front type			Standard film
Utilization			Flush mounting
Slots			for Compact-Flash™ Cards: 1
Memory card automation			required, see Accessories -> Memory cards
Pluggable communication cards (optional)			no
Heat dissipation		W	8

Technical data

Display

Display - Type			Color display, CSTN
Screen diagonal		Inch	5.7
Resolution		Pixel	320 x 240
Visible screen area		mm	115 x 86
Number of colours			256 colors
Contrast ratio (Normally)			Normally 35:1
Brightness		cd/m ²	Normally 150
Back-lighting			1 x CCFL dimmmable via software
Service life of back-lighting		h	Normally 50000
Resistive touch protective screen			Touch sensor (glass with foil)

Operation

Technology			Resistive-Touch 4 wire
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System

Processor			RISC CPU, 32 Bit, 200 MHz
Internal memory			DRAM (OS-, Program and data memory): 32 MByte Flash (can be used for data backup): approx. 1.5 MByte available NVRAM (retained data): approx. 100 byte available
External memory			CF-Slot: 1 x CompactFlash Card type I for operating system, programs and data
Back-up of real-time clock			
Battery (service life)			Zero maintenance
Backup (time at zero voltage)			Normally 10 years

Engineering

Visualisation software			GALILEO/EPAM
PLC-Programming software			XSOFT-CODESYS-2
PLC-licence			Can be fitted by user with article no. 140389 LIC-PLC-MXP-SMALL

Operating system			Windows CE (license required)
Interfaces, communication			
built-in interfaces			2 x Ethernet 100Base-TX/10Base-T 1 x RS232 1 x PROFIBUS/MPI
USB device			USB 1.1, not galvanically isolated
RS-232			RS-232, not galvanically isolated (SUB-D plug 9 pole, UNC)
Profibus			PROFIBUS, not galvanically isolated, max. 1.5 MBit/s (SUB-D socket 9 pole, UNC)
Slots			for Compact-Flash™ Cards: 1

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%) 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	≤ 20 ms from rated voltage (24 V DC) 10 ms from undervoltage (20.4 V DC)
Power consumption	P _{max.}	W	8
Heat dissipation		W	8
Note on heat dissipation			Heat dissipation with power consumption for 24 V, all ports and interfaces connected
Protection against polarity reversal			yes
Type of fuse			Yes (zero maintenance)
Potential isolation			no potential isolation

General

Front type			Standard film
Weight		kg	0.7
Degree of protection (IEC/EN 60529, EN50178, VBG 4)			IP65 (at front), IP20 (at rear)
Approvals			
Approvals			cUL
Explosion protection (according to ATEX 94/9/EC)			II 3D Ex II T70°C IP5x: Zone 22, Category 3D (in relation to CE) EN60079-0, EN61241-1, EN13463
Applied standards and directives			
EMC			(in relation to CE) EN 61000-6-2 EN 61000-6-3 EN 61000-6-4 EN 61131-2
Product standards			EN 50178 EN 61131-2
Security			EN 60950 UL 60950
Mechanical shock resistance		g	according to IEC 60068-2-27
Vibration			To IEC 68-2-6

Environmental conditions

Temperature			
Storage / Transport	θ	°C	-20 - +60
Relative humidity			
Relative humidity			10 - 95%, non-condensing

Supply voltage U_{Aux}

Potential isolation			No
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Technical data ETIM 4.0

Supply voltage AC 50 Hz		V	0 - 0
Supply voltage AC 60 Hz		V	0 - 0
Supply voltage DC		V	0 - 0
Voltage type of supply voltage			DC
Number of HW-interfaces industrial Ethernet			1
Number of HW-interfaces PROFINET			0
Number of HW-interfaces RS232			1
Number of HW-interfaces RS422			0

Number of HW-interfaces RS485			0
Number of HW-interfaces serial TTY			0
Number of HW-interfaces USB			1
Number of HW-interfaces parallel			0
Number of HW-interfaces Wireless			0
Number of HW-interfaces other			0
With SW interfaces			Yes
Supporting protocol for TCP/IP			Yes
Supporting protocol for PROFIBUS			Yes
Supporting protocol for CAN			No
Supporting protocol for INTERBUS			No
Supporting protocol for ASI			No
Supporting protocol for EIB			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			Yes
Radiostandard Bluetooth			No
Radiostandard WLAN 802.11			No
IO link master			No
Type of display			STN
With colour display			Yes
Display number of colours/grey-scales			256
Screen diagonal		Inch	5.7
Max. horizontal resolution, display		DPI	320
Max. vertical resolution, display		DPI	240
Useful project memory/user memory		kByte	32000
With numeric keyboard			Yes
With alpha numeric keyboard			Yes
Number of function buttons, programmable			0
With system buttons			No
Buttons with LED			No
With touch screen			Yes
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
Printer output available			Yes
Number of online languages			100
Additional software components, loadable			Yes
Degree of protection (IP), front side			IP65

Operation temperature range	°C	0 - 50
Rail mounting possible		No
Wall mounting/direct mounting		No
Suited for safety functions		No
Width of the front	mm	212
Height of the front	mm	156
Built-in depth	mm	50

Approvals

Product Standards		UL 60950-01; CSA-C22.2 No. 60950-1; IEC/EN 61131-2; CE marking
UL File No.		E208621
UL Category Control No.		NWQG2, NWQG8
CSA File No.		UL report applies to both US and Canada
CSA Class No.		-
North America Certification		UL recognized, certified by UL for use in Canada
Conditions of Acceptability		The investigated Pollution Degree is: 2 The following end-product enclosures are required: Fire, Electrical The unit must be supplied via a SELV source. The provided Ethernet Connection is only allowed to connect to inhouse networks.
Specially designed for North America		No
Current Limiting Circuit-Breaker		No
Degree of Protection		IEC: IP65, UL/CSA Type: -

Dimensions

Dimensions		
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Additional product information (links)

IL04802031Z Enclosed kit information	
IL04802031Z Enclosed kit information	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04802031Z2010_12.pdf
Manual panel XV300 MN048017	
Handbuch Panel XV300 MN048017 - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN048017_DE.pdf
Manual panel XV300 MN048017 - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN048017_EN.pdf
System description, Windows CE MN05010007Z	
Systembeschreibung, Windows CE MN05010007Z - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05010007Z_DE.pdf
System description, Windows CE MN05010007Z - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05010007Z_EN.pdf
Product overview (WEB)	http://www.eaton.eu/xv