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

EAT•N

Powering Business Worldwide

Part no.	XV-232-57BAS-1-10
Article no.	139950

Delivery programme

Product range			XV200
Display - Type			B/W display, FSTN
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. 140388 LIC-PLC-MXP-LIGHT
License certificates for onboard interfaces			Can be expanded as required, see Accessories -> License product certificates
built-in interfaces			1 x Ethernet 100base-TX/10base-T 1 x RS232
Front type			Standard film
Utilization			Flush mounting
Slots			for Compact-Flash^{TM}-Cards: 1
Memory card automation			required, see Accessories -> Memory cards
Pluggable communication cards (optional)			no
Heat dissipation		W	8

Technical data

Display

Display - Type			B/W display, FSTN
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 10:1
Brightness		cd/m^2	Normally 150
Back-lighting			1 x CCFL dimmable 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

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
Operating system			Windows CE (license required)

Engineering

Visualisation software			GALILEO/EPAM
PLC-Programming software			XSOFT-CODESYS-2

Interfaces, communication

built-in interfaces			1 x Ethernet 100base-TX/10base-T 1 x RS232

PLC-licence			Can be fitted by user with article no. 140388 LIC-PLC-MXP-LIGHT
USB device			USB 1.1, not galvanically isolated
RS-232			RS-232, not galvanically isolated (SUB-D plug 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
Siemens MPI, (optional)			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			
Operation	ϑ	°C	0 - +50
Storage / Transport	ϑ	°C	-20 - +60
Relative humidity		%	
Relative humidity			10 - 95%, non-condensing

Supply voltage U_{Aux}

Potential isolation			No

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		No
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		No
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.			NWGQ2, NWGQ8
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

09/18/2015

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139950 - HPL-ED2015 V15.0 EN

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