

Single touch display, 5.7-inch display, 24 VDC, 640 x 480 px, 2x Ethernet, 1x RS232, 1x RS485, 1x CAN, 1x DP, PLC function can be fitted by user



**Part no. XV-363-57-C02-A00-1B  
197667**

Product name	Eaton XV-363 Touch panel
Part no.	XV-363-57-C02-A00-1B
EAN	7640130099364
Product Length/Depth	212 millimetre
Product height	60 millimetre
Product width	156 millimetre
Product weight	1.2 kilogram
Certifications	EAC IEC/EN 61131-2 EN 50178
Product Tradename	XV-363
Product Type	Touch panel
Product Sub Type	None
Catalog Notes	Current consumption at 24 V DC
Features	Fanless CPU and system cooling, natural convection-based passive cooling PLC function can be fitted by user Portrait format USB Host RS485 Ethernet interface RS232 CAN USB device Slot for SD card
Fitted with:	Numeric keyboard 1 x USB host 2.0 (built-in interface) Color display 1 x CAN (built-in interfaces) MPI interface 2 x Ethernet 10/100 Mbps (built-in interface) 1 x USB device (built-in interface) Alpha numeric keyboard 1 x PROFIBUS (built-in interface) 1 x RS232 (built-in interface) 1 x RS485 (built-in interface) Message indication Message system (incl. buffer and confirmation) Recipes
Functions	Process default value (input) possible Process value representation (output) possible Additional software components, loadable
Battery runtime	Back-up of real-time clock: BR 2330, non-replaceable (soldered)
Degree of protection	IP20, rear (according to EN 60529-1)
Degree of protection (front side)	IP65 NEMA 12
Fuse type	Built-in fuse (not accessible)
Model	Metal enclosure and glass front in aluminum frame
Mounting method	Flush mounting Flush mounting - Clearance: Width x Height x Depth ≥ 30 mm (1.18")
Product category	XV-300
RoHS conformity	Yes
Software	GALILEO, Visualisation software, Engineering XSOFT-CODESYS-3, PLC-Programming software, Engineering XSOFT-CODESYS-2, PLC-Programming software, Engineering XSOFT-CODESYS, Visualisation software, Engineering
Type	HMI (SPS function, retrofittable)
Voltage type	DC

Shock resistance		15 g, 11 ms, Mechanical
Air pressure		795 - 1080 hPa (operation)
Ambient operating temperature - min		0 °C
Ambient operating temperature - max		50 °C
Ambient storage temperature - min		-20 °C
Ambient storage temperature - max		60 °C
Climatic proofing		Dry heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-3 Cold to EN 60068-2-1
Environmental conditions		Condensation: Non-condensing
Operating temperature - min		0 °C
Operating temperature - max		50 °C
Relative humidity		10 - 95 % (non-condensing)
Interference immunity		According to EN 61000-6-2
Radio interference class		Class A (EN 55011)
Voltage dips		≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC)
Permissible voltage		19.2 - 30 V DC, effective (rated operating voltage -20 %/+25 %) 35 V DC (for a duration of < 100 ms) 18 - 31.2 V DC, battery powered (rated operating voltage -25 %/+30 %) 19.2 - 30 V DC, absolute with ripple
Power consumption		Max. 19.5 W
Rated operational voltage		24 V DC (power-supply - safety extra low voltage)
Supply voltage at AC, 50 Hz - min		0 V AC
Supply voltage at AC, 50 Hz - max		0 V AC
Supply voltage at DC - min		19.2 V DC
Supply voltage at DC - max		30 V DC
Communication interface		PROFIBUS-DP, not galvanically isolated, 9 pole SUB-D socket, UNC
Interfaces		USB 2.0 host (not galvanically isolated) RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC) CAN (not galvanically isolated, 9-pin SUB-D plug, UNC) RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC) 10/100 Mbps Ethernet connection USB 2.0 device (not galvanically isolated)
Number of slots		1 (for SD-Card)
Protocol		Other bus systems TCP/IP CAN EtherNet/IP PROFIBUS MODBUS
Display contrast ratio		500:1
Display size		115 x 86 mm 4:3
Display type		Laminated safety glass, anti-glare in aluminum frame TFT Color display, TFT
Number of colors of the display		65536
Resolution		640 x 480 px
Screen size (diagonal)		5.7 in
Touch technology		Single-touch display Infrared touch Laminated safety glass, non-reflective, Infrared touch protective screen
Backup time		10 years, typ. (time at zero voltage)
Memory		Flash: 1 GByte SLC NVRAM: 128kByte Retain DRAM: 512 MByte RAM SD card, Type: SDSC, SDHC (external memory)
Memory capacity		512,000 kByte

Operating system		Windows Embedded Compact 7 Pro
Processor		ARM Cortex-A9 800 MHz
Heat dissipation capacity P <sub>diss</sub>		0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>		0 W
Static heat dissipation, non-current-dependent P <sub>vs</sub>		19.5 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 8.0

Programmable logic controllers PLC (EG000024) / Graphic panel (EC001412)		
Electric engineering, automation, process control engineering / Display and control component / Panel (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		3
With SW interfaces		No
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 protocol for PROFIsafe		No
Supporting protocol for SafetyBUS p		No
Supporting protocol for other bus systems		Yes
Radio standard Bluetooth		No
Radio standard Wi-Fi 802.11		No
Radio standard GPRS		No
Radio standard GSM		No
Radio standard UMTS		No
IO link master		No
Type of display		TFT
With colour display		Yes
Number of colours of the display		65,536
Number of grey-scales/blue-scales of display		0
Screen diagonal	inch	5.7
Number of pixels, horizontal		640
Number of pixels, vertical		480
Useful project memory/user memory	kByte	512,000
With numeric keyboard		Yes
With alpha numeric keyboard		Yes
Number of function buttons, programmable		0
Number of buttons with LED		0
Number of system buttons		1
Touch technology		Infrared touch
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		No
Number of online languages		100
Additional software components, loadable		Yes
Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side		12
Operating temperature	°C	0 - 50
Rail mounting possible		No
Wall mounting/direct mounting		No
Suitable for safety functions		No
Width of the front	mm	212.2
Height of the front	mm	156.2
Built-in depth	mm	63