

# Specifications

Photo is representative

## Eaton 197664

Eaton XV-363 Single touch display, 5,7-inch display, 24 VDC, IR, 640 x 480 pixels, 2x Ethernet, 1x RS232, 1x RS485, 1x CAN, PLC function can be fitted by user

### General specifications

<b>PRODUCT NAME</b>	Eaton Distribution parts
<b>CATALOG NUMBER</b>	197664
<b>EAN</b>	7640130099357
<b>PRODUCT LENGTH/DEPTH</b>	212 mm
<b>PRODUCT HEIGHT</b>	60 mm
<b>PRODUCT WIDTH</b>	156 mm
<b>PRODUCT WEIGHT</b>	1.2 kg
<b>CERTIFICATIONS</b>	EAC EN 50178 IEC/EN 61131-2
<b>CATALOG NOTES</b>	Current consumption at 24 V DC
<b>MODEL CODE</b>	XV-363-57-C00-A00-1B



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## Product specifications

<b>TYPE</b>	HMI (SPS function, retrofittable)
<b>FEATURES</b>	Ethernet interface RS232 CAN USB device PLC function can be fitted by user RS485 Fanless CPU and system cooling, natural convection-based passive cooling Slot for SD card USB Host Portrait format
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Please enquire
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to

## Resources

<b>BROCHURES</b>	<a href="#">eaton-hmi-plc-xv300-brochure-br05003en-en-us.pdf</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">DA-DC-00005023.pdf</a> <a href="#">DA-DC-00005024.pdf</a>
<b>DRAWINGS</b>	<a href="#">eaton-operator-panels-xv-touch-panel-dimensions-005.eps</a> <a href="#">eaton-electronics-dimensions-xv-touch-panel-dimensions.eps</a> <a href="#">eaton-operator-panels-dimensions-xv-touch-panel-dimensions-004.eps</a> <a href="#">eaton-electronics-dimensions-xv-touch-panel-dimensions-002.eps</a> <a href="#">eaton-operator-panels-xv-touch-panel-3d-drawing.eps</a> <a href="#">eaton-operator-panels-distance-3d-drawing.eps</a>
<b>ECAD MODEL</b>	<a href="#">DA-CE-ETN.XV-363-57-C00-A00-1B</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">eaton-xv-363-touch-panel-hmi-plc-il048014zu.pdf</a>
<b>MANUALS AND USER GUIDES</b>	<a href="#">MN048025EN</a>
<b>MATERIAL SAFETY DATA SHEET (MSDS)</b>	<a href="#">MSDS Panasonic Manganese Dioxide Lithium Battery (Series CR).pdf</a>
<b>MCAD MODEL</b>	<a href="#">xv_363_57_c00_a00_1b.stp</a> <a href="#">xv_363_57_c00_a00_1b.dwg</a>
<b>TEST REPORT</b>	<a href="#">UN38.3 Panasonic CR2032.pdf</a>

	be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Meets the product standard's requirements.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Numeric keyboard Color display Message system (incl. buffer and confirmation) 1 x USB device (built-in interface) 1 x RS232 (built-in interface) Alpha numeric keyboard 1 x CAN (built-in interfaces) 2 x Ethernet 10/100 Mbps (built-in interface) 1 x RS485 (built-in interface) 1 x USB host 2.0 (built-in interface) Message indication Recipes
<b>FUSE TYPE</b>	Built-in fuse (not accessible)

<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-3 Dry heat to IEC 60068-2-2 Cold to EN 60068-2-1
<b>SUPPLY VOLTAGE AT AC, 50 HZ - MAX</b>	0 VAC
<b>SUPPLY VOLTAGE AT AC, 50 HZ - MIN</b>	0 VAC
<b>SUPPLY VOLTAGE AT AC, 60 HZ - MAX</b>	0 VAC
<b>SUPPLY VOLTAGE AT AC, 60 HZ - MIN</b>	0 VAC
<b>SUPPLY VOLTAGE AT DC - MAX</b>	30 VDC
<b>SUPPLY VOLTAGE AT DC - MIN</b>	19.2 VDC
<b>WIDTH OF THE FRONT</b>	212.2 mm
<b>PRODUCT CATEGORY</b>	XV-300
<b>RESOLUTION</b>	640 x 480 px
<b>AIR PRESSURE</b>	795 - 1080 hPa (operation)
<b>DISPLAY SIZE</b>	4:3 115 x 86 mm
<b>ENVIRONMENTAL CONDITIONS</b>	Condensation: Non-condensing
<b>BACKUP TIME</b>	10 years, typ. (time at zero voltage)
<b>MEMORY CAPACITY</b>	512,000 kByte
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	50 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	0 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	60 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-20 °C
<b>BUILT-IN DEPTH</b>	63 mm
<b>FRONT HEIGHT</b>	156.2 mm
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
<b>NUMBER OF BUTTONS (PROGRAMMABLE FUNCTION)</b>	0
<b>NUMBER OF BUTTONS WITH LED</b>	0

<b>NUMBER OF GREY-SCALES/BLUE-SCALES OF DISPLAY</b>	0
<b>NUMBER OF HW-INTERFACES (INDUSTRIAL ETHERNET)</b>	2
<b>NUMBER OF HW-INTERFACES (OTHER)</b>	2
<b>BATTERY RUNTIME</b>	Back-up of real-time clock: BR 2330, non-replaceable (soldered)
<b>VOLTAGE TYPE</b>	DC
<b>OPERATING SYSTEM</b>	Windows Embedded Compact 7 Pro
<b>SOFTWARE</b>	XSOFT-CODESYS-2, PLC-Programming software, Engineering GALILEO, Visualization software, Engineering XSOFT-CODESYS, Visualization software, Engineering XSOFT-CODESYS-3, PLC-Programming software, Engineering
<b>MOUNTING METHOD</b>	Flush mounting - Clearance: Width x Height x Depth ≥ 30 mm (1.18") Flush mounting
<b>DISPLAY CONTRAST RATIO</b>	500:1
<b>NUMBER OF SLOTS</b>	1 (for SD-Card)
<b>INTERFERENCE IMMUNITY</b>	According to EN 61000-6-2
<b>DISPLAY TYPE</b>	Color display, TFT Laminated safety glass, anti-glare in aluminum frame TFT
<b>RADIO INTERFERENCE CLASS</b>	Class A (EN 55011)
<b>RELATIVE HUMIDITY</b>	10 - 95 % (non-condensing)
<b>DEGREE OF PROTECTION</b>	IP20, rear (according to EN 60529-1)
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	IP65 NEMA 12
<b>NUMBER OF COLORS OF THE DISPLAY</b>	65536
<b>PROCESSOR</b>	ARM Cortex-A9 800 MHz

<b>ROHS CONFORMITY</b>	Yes
<b>MEMORY</b>	DRAM: 512 MByte RAM SD card, Type: SDSC, SDHC (external memory) Flash: 1 GByte SLC NVRAM: 128kByte Retain
<b>FUNCTIONS</b>	Additional software components, loadable Process default value (input) possible Process value representation (output) possible
<b>TOUCH TECHNOLOGY</b>	Single-touch display Infrared touch Laminated safety glass, non-reflective, Infrared touch protective screen
<b>MODEL</b>	Metal enclosure and glass front in aluminum frame
<b>INTERFACES</b>	RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC) USB 2.0 device (not galvanically isolated) RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC) CAN (not galvanically isolated, 9-pin SUB-D plug, UNC) USB 2.0 host (not galvanically isolated) 10/100 Mbps Ethernet connection
<b>VOLTAGE DIPS</b>	≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC)
<b>NUMBER OF HW- INTERFACES (PARALLEL)</b>	0
<b>NUMBER OF HW- INTERFACES (RS-232)</b>	1
<b>NUMBER OF HW- INTERFACES (RS-422)</b>	0
<b>NUMBER OF HW- INTERFACES (RS-485)</b>	1
<b>NUMBER OF HW- INTERFACES (SERIAL TTY)</b>	0
<b>NUMBER OF HW- INTERFACES (USB)</b>	2

<b>NUMBER OF HW-INTERFACES (WIRELESS)</b>	0
<b>NUMBER OF INTERFACES (PROFINET)</b>	0
<b>NUMBER OF ONLINE/RUNTIME LANGUAGES</b>	100
<b>NUMBER OF PASSWORD LEVELS</b>	200
<b>NUMBER OF PIXELS (HORIZONTAL)</b>	640
<b>NUMBER OF PIXELS (VERTICAL)</b>	480
<b>NUMBER OF SYSTEM BUTTONS</b>	1
<b>OPERATING TEMPERATURE - MAX</b>	50 °C
<b>OPERATING TEMPERATURE - MIN</b>	0 °C
<b>SCREEN SIZE (DIAGONAL)</b>	5.7 in
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	19.5 W
<b>PERMISSIBLE VOLTAGE</b>	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 19.2 - 30 V DC, effective (rated operating voltage - 20 %/+25 %)
<b>POWER CONSUMPTION</b>	Max. 19.5 W 17 W
<b>PROTOCOL</b>	EtherNet/IP PROFIBUS Other bus systems CAN MODBUS TCP/IP EtherCAT
<b>RATED OPERATIONAL VOLTAGE</b>	24 V DC (power-supply - safety extra low voltage)
<b>SHOCK RESISTANCE</b>	15 g, 11 ms, Mechanical

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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**Eaton Corporation plc**

Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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