

Specifications



Photo is representative



Eaton 199346

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

General specifications

PRODUCT NAME	Eaton Distribution parts
CATALOG NUMBER	199346
EAN	7640130099579
PRODUCT LENGTH/DEPTH	212 mm
PRODUCT HEIGHT	60 mm
PRODUCT WIDTH	156 mm
PRODUCT WEIGHT	1.2 kg
CERTIFICATIONS	EAC EN 50178 IEC/EN 61131-2
CATALOG NOTES	Current consumption at 24 V DC
MODEL CODE	XV-363-57-C00-B00-1B



Powering Business Worldwide

Product specifications

TYPE	HMI (SPS function, retrofittable)
FEATURES	<p>RS232</p> <p>PLC function can be fitted by user</p> <p>USB Host</p> <p>Fanless CPU and system cooling, natural convection-based passive cooling</p> <p>Portrait format</p> <p>CAN</p> <p>RS485</p> <p>Ethernet interface</p> <p>USB device</p> <p>Slot for SD card</p>
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.
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

Resources

BROCHURES	eaton-hmi-plc-xv300-brochure-br05003en-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00005023.pdf DA-DC-00005024.pdf
DRAWINGS	eaton-operator-panels-dimensions-xv-touch-panel-dimensions-004.eps eaton-electronics-dimensions-xv-touch-panel-dimensions.eps eaton-electronics-dimensions-xv-touch-panel-dimensions-002.eps eaton-operator-panels-xv-touch-panel-dimensions-005.eps eaton-operator-panels-xv-touch-panel-3d-drawing.eps eaton-operator-panels-distance-3d-drawing.eps
INSTALLATION INSTRUCTIONS	eaton-xv-363-touch-panel-hmi-plc-il048014zu.pdf
MANUALS AND USER GUIDES	MN048025EN
MATERIAL SAFETY DATA SHEET (MSDS)	MSDS Panasonic Manganese Dioxide Lithium Battery (Series CR).pdf
MCAD MODEL	xv_363_57_c00_a00_1b.stp xv_363_57_c00_a00_1b.dwg
TEST REPORT	UN38.3 Panasonic CR2032.pdf

	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.
FITTED WITH:	<ul style="list-style-type: none"> 1 x USB device (built-in interface) 1 x RS232 (built-in interface) 1 x RS485 (built-in interface) 1 x CAN (built-in interfaces) 1 x USB host 2.0 (built-in interface) 2 x Ethernet 10/100 Mbps (built-in interface)
FUSE TYPE	Built-in fuse (not accessible)
CLIMATIC PROOFING	<ul style="list-style-type: none"> Cold to EN 60068-2-1 Dry heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-3
SUPPLY VOLTAGE AT AC, 50 HZ - MAX	0 VAC

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

NUMBER OF HW-INTERFACES (OTHER)	2
BATTERY RUNTIME	Back-up of real-time clock: BR 2330, non-replaceable (soldered)
VOLTAGE TYPE	DC
OPERATING SYSTEM	Windows Embedded Compact 7 Pro
SOFTWARE	XSOFT-CODESYS-2, PLC- Programming software, Engineering XSOFT-CODESYS, Visualization software, Engineering GALILEO, Visualization software, Engineering XSOFT-CODESYS-3, PLC- Programming software, Engineering
MOUNTING METHOD	Flush mounting - Clearance: Width x Height x Depth ≥ 30 mm (1.18") Flush mounting
DISPLAY CONTRAST RATIO	500:1
NUMBER OF SLOTS	1 (for SD-Card)
INTERFERENCE IMMUNITY	According to EN 61000-6-2
DISPLAY TYPE	Laminated safety glass, anti-reflection coated, in stainless steel frame TFT
RADIO INTERFERENCE CLASS	Class A (EN 55011)
RELATIVE HUMIDITY	10 - 95 % (non- condensing)
DEGREE OF PROTECTION	IP20, rear (according to EN 60529-1)
DEGREE OF PROTECTION (FRONT SIDE)	IP65 NEMA 12
NUMBER OF COLORS OF THE DISPLAY	65535
PROCESSOR	ARM Cortex-A9 800 MHz
ROHS CONFORMITY	Yes
MEMORY	NVRAM: 128kByte Retain DRAM: 512 MByte RAM Flash: 1 GByte SLC SD card, Type: SDSC, SDHC (external memory)

TOUCH TECHNOLOGY	Single-touch display Laminated safety glass, non-reflective, Infrared touch protective screen Infrared touch
MODEL	Metal enclosure and glass front in stainless steel frame
INTERFACES	RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC) 10/100 Mbps Ethernet connection RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC) USB 2.0 host (not galvanically isolated)
VOLTAGE DIPS	≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC)
NUMBER OF HW- INTERFACES (PARALLEL)	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 (WIRELESS)	0
NUMBER OF INTERFACES (PROFINET)	0
NUMBER OF ONLINE/RUNTIME LANGUAGES	100
NUMBER OF PASSWORD LEVELS	200
NUMBER OF PIXELS (HORIZONTAL)	640
NUMBER OF PIXELS (VERTICAL)	480
NUMBER OF SYSTEM BUTTONS	1
OPERATING	50 °C

TEMPERATURE - MAX	
OPERATING TEMPERATURE - MIN	0 °C
SCREEN SIZE (DIAGONAL)	5.7 in
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	19.5 W
PERMISSIBLE VOLTAGE	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 %)
POWER CONSUMPTION	Max. 19.5 W 17 W
PROTOCOL	CAN EtherNet/IP TCP/IP EtherCAT
RATED OPERATIONAL VOLTAGE	24 V DC (power-supply - safety extra low voltage)
SHOCK RESISTANCE	15 g, 11 ms, Mechanical

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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