Specifications

Photo is representative

Eaton 197669

Eaton XV-363 Single touch display, 12-inch display, 24 VDC, IR, 800 x 600 pixels, 2x Ethernet, 1x RS232, 1x RS485, 1x CAN, 1x DP, PLC function can be fitted by user

General specifications	
PRODUCT NAME	Eaton Distribution parts
CATALOG NUMBER	197669
EAN	7640130099401
PRODUCT LENGTH/DEPTH	361 mm
PRODUCT HEIGHT	100 mm
PRODUCT WIDTH	279 mm
PRODUCT WEIGHT	2.2 kg
CERTIFICATIONS	EN 50178 IEC/EN 61131-2 EAC
CATALOG NOTES	Current consumption at 24 V DC
MODEL CODE	XV-363-12-C02-A00-1B

Powering Business Worldwide

Product specifications

TYPE	HMI (SPS function, retrofittable)
FEATURES	USB device USB Host Ethernet interface PLC function can be fitted by user CAN Fanless CPU and system cooling, natural convection-based passive cooling Portrait format RS232 Slot for SD card RS485
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-00005024.pdf DA-DC-00005023.pdf
DRAWINGS	eaton-electronics-dimensions-xv-touch-panel-dimensions.eps eaton-operator-panels-xv-touch-panel-dimensions-005.eps eaton-electronics-dimensions-xv-touch-panel-dimensions-002.eps eaton-operator-panels-dimensions-xv-touch-panel-dimensions-006.eps eaton-operator-panels-xv-touch-panel-3d-drawing-003.eps eaton-operator-panels-distance-3d-drawing.eps
ECAD MODEL	DA-CE-ETN.XV-363-12-C02-A00-1B
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_12_c02_a00_1b.stp xv_363_12_c02_a00_1b.dwg
TEST REPORT	UN38.3_Pansonic_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:	Recipes 1 x USB device (built-in interface) 1 x RS485 (built-in interface) Message system (incl. buffer and confirmation) 1 x CAN (built-in interfaces) MPI interface Numeric keyboard Color display Message indication 1 x PROFIBUS (built-in interface) 1 x RS232 (built-in interface) 1 x USB host 2.0 (built-in interface) 2 x Ethernet 10/100 Mbps (built-in interface) Alpha numeric keyboard

FUSE TYPE	Built-in fuse (not accessible)
CLIMATIC PROOFING	Dry heat to IEC 60068-2-2 Cold to EN 60068-2-1 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	361.2 mm
PRODUCT CATEGORY	XV-300
RESOLUTION	800 x 600 px
AIR PRESSURE	795 - 1080 hPa (operation)
DISPLAY SIZE	4:3 246 x 185 mm
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	279.2 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)	3
BATTERY RUNTIME	Back-up of real-time clock: BR 2330, non-replaceable (soldered)
VOLTAGE TYPE	DC
OPERATING SYSTEM	Windows Embedded Compact 7 Pro
COMMUNICATION INTERFACE	PROFIBUS-DP, not galvanically isolated, 9 pole SUB-D socket, UNC
SOFTWARE	XSOFT-CODESYS, Visualization software, Engineering XSOFT-CODESYS-2, PLC-Programming 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-glare in aluminum frame TFT Color display, 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	65536
PROCESSOR	ARM Cortex-A9 800 MHz
ROHS CONFORMITY	Yes
MEMORY	SD card, Type: SDSC, SDHC (external memory) NVRAM: 128kByte Retain DRAM: 512 MByte RAM Flash: 1 GByte SLC
FUNCTIONS	Additional software components, loadable Process default value (input) possible Process value representation (output) possible
TOUCH TECHNOLOGY	Laminated safety glass, non-reflective, Infrared touch protective screen Infrared touch Single-touch display
MODEL	Metal enclosure and glass front in aluminum frame
INTERFACES	USB 2.0 host (not galvanically isolated) CAN (not galvanically isolated, 9-pin SUB-D plug, UNC) 10/100 Mbps Ethernet connection RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC) RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC) USB 2.0 device (not galvanically isolated)
VOLTAGE DIPS	5 ms from undervoltage (19.2 V DC) ≤ 10 ms from rated voltage (24 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-	1

INTERFACES (RS-485)	
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)	800
NUMBER OF PIXELS (VERTICAL)	600
NUMBER OF SYSTEM BUTTONS	1
OPERATING TEMPERATURE - MAX	50 °C
OPERATING TEMPERATURE - MIN	0 °C
SCREEN SIZE (DIAGONAL)	12.1 in
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	20.5 W
PERMISSIBLE VOLTAGE	19.2 - 30 V DC, absolute with ripple 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, effective (rated operating voltage - 20 %/+25 %)
POWER CONSUMPTION	Max 20.5 W 18 W
PROTOCOL	EtherNet/IP MODBUS Other bus systems TCP/IP CAN PROFIBUS 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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